

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form	: Substance
Trade name	: PROMAXON®-D
Chemical name	: Silicic acid, calcium salt (crystalline)
EC-No.	: 935-756-9
CAS-No.	: 1344-95-2
REACH registration No	: 01-2119990740-32
Product group	: Trade product

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category	: Industrial use
Use of the substance/mixture	: Used as an additive in friction linings, as a levelling agent in paints and lacquers, as a flow aid for granulates, as a flame retardant and drip reducer in thermoplastics and other applications.

Title	Life cycle stage	Use descriptors
Industrial use: Adhesives and sealants (ES Ref.: ES4)	Industrial	PC1, PROC7, PROC14
Industrial use: Friction material (ES Ref.: ES5)	Industrial	PC7, PROC8a, PROC14
Industrial use: Manufacturing of products with Crystalline silicic acid, calcium salt (ES Ref.: ES6)	Industrial	PROC14, ERC5
Professional use: Adhesives and sealants (ES Ref.: ES7)	Professional	PC1, PROC10, PROC11, PROC13, PROC19, PROC21
Professional use: Friction material (ES Ref.: ES8)	Professional	PC7, PROC8a
Professional use: Calendering operations (ES Ref.: ES9)	Professional	PROC6
Consumer use: Adhesives and sealants (ES Ref.: ES10)	Consumer	PC9a, PC9b
Consumer use: Use of adhesives resulting in inclusion in or onto a matrix (indoor) (ES Ref.: ES11)	Consumer	PC1
Consumer use: Other applications (Indoor use) (ES Ref.: ES12)	Consumer	PC24, PC35
Consumer use: Other applications (Outdoor use) (ES Ref.: ES13)	Consumer	PC12
Formulation: Adhesives and sealants (ES Ref.: ES1)	Formulation	SU10, PROC3, PROC4, PROC8b, PROC9
Formulation: Friction material (ES Ref.: ES2)	Formulation	PC7, PROC5
Formulation: Other applications (General) (ES Ref.: ES3)	Formulation	PROC1, PROC2

Full text of use descriptors: see section 16

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 1.2.2. Uses advised against

No additional information available.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

Etex Building Performance N.V.  
Bormstraat 24  
2830 Tiselt - BELGIUM  
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[info@promat-international.com](mailto:info@promat-international.com) - [www.promat-international.com](http://www.promat-international.com)

#### Other

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T +420 224 390 811 - F +420 233 333 576  
[promat@promatpraha.cz](mailto:promat@promatpraha.cz) - [www.promatpraha.cz](http://www.promatpraha.cz)

#### Other

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84915 Avignon Cedex 9 - FRANCE  
T +33 (0)432 44 44 44  
[fds.efbp@etexgroup.com](mailto:fds.efbp@etexgroup.com) - [www.promat.fr](http://www.promat.fr)

#### Other

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T +43 732 6912 0  
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T +48-22 212 2280 - F +48-22 212 2290  
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#### Other

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[Promat-dk@etexgroup.com](mailto:Promat-dk@etexgroup.com) - [www.promat.com/da-dk](http://www.promat.com/da-dk)

#### Other

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Scheifenkamp 16  
40878 Ratingen - GERMANY  
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#### Other

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9542 Münchwilen - SWITZERLAND  
T +41 52 320 9400 - F +41 52 320 9402  
[office@promat.ch](mailto:office@promat.ch) - [www.promat.ch](http://www.promat.ch)

### 1.4. Emergency telephone number

Emergency number : Please contact a regional poison center or emergency telephone number.

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

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Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090 Msida	+356 2545 6508	
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

:



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H319 - Causes serious eye irritation.

Precautionary statements (CLP)

: P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

Component	
Silicic acid, calcium salt (crystalline) (1344-95-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mono-constituent  
Chemical name : Silicic acid, calcium salt (crystalline)  
CAS-No. : 1344-95-2  
EC-No. : 935-756-9

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Silicic acid, calcium salt (crystalline)	(CAS-No.) 1344-95-2 (EC-No.) 935-756-9 (REACH-no) 01-2119990740-32	80 – 100	Eye Irrit. 2, H319

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Full text of H- and EUH-statements: see section 16

Comments : Contains no other components or impurities which will influence the classification of the product

### 3.2. Mixtures

Not established.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Drink plenty of water. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Rinse mouth out with water. Drink plenty of water.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause irritation to the respiratory tract and to other mucous membranes.

Symptoms/effects after skin contact : May cause temporary irritation/skin rash.

Symptoms/effects after eye contact : Causes serious eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.

Explosion hazard : Product is not explosive.

Reactivity in case of fire : The product is non-combustible.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Minimise generation of dust. Avoid contact with skin and eyes.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

Measures in case of dust release : Prevent spread of dust. Dampen down any dust or use vacuum cleaner with correct filter.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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Emergency procedures : Minimise generation of dust. Dampen down any dust or use vacuum cleaner with correct filter.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Dust deposited may be vacuum cleaned or the area hosed down with water.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Provide adequate ventilation to minimize dust and/or vapour concentrations. Avoid dust formation. Do not breathe dust. Collect dust with a vacuum cleaner or soak with water before sweeping up.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Store in dry protected location to prevent any moisture contact. Keep out of frost.

### 7.3. Specific end use(s)

No additional information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

PROMAXON®-D (1344-95-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Calcium silicate
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### Silicic acid, calcium salt (crystalline) (1344-95-2)

Ireland - Occupational Exposure Limits	
Local name	Calcium silicate Synthetic non fibrous
OEL TWA [1]	0.5 mg/m <sup>3</sup> R (Respirable) 1 fibers/cm <sup>3</sup>
United Kingdom - Occupational Exposure Limits	
Local name	Calcium silicate

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### Silicic acid, calcium salt (crystalline) (1344-95-2)

WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.1.2. Recommended monitoring procedures

No additional information available.

#### 8.1.3. Air contaminants formed

No additional information available.

#### 8.1.4. DNEL and PNEC

### PROMAXON®-D (1344-95-2)

#### DNEL/DMEL (Workers)

Long-term - local effects, dermal	10 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	10 mg/m <sup>3</sup>

#### DNEL/DMEL (General population)

Acute - local effects, inhalation	5 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	5 mg/m <sup>3</sup>

#### PNEC (STP)

PNEC sewage treatment plant	≥ 100 mg/l
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#### 8.1.5. Control banding

No additional information available.

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Avoid contact with eyes. Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

In case of repeated or prolonged contact wear gloves

#### 8.2.2.3. Respiratory protection

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### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white.
Appearance	: Powder.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not applicable
Flammability	: Not flammable
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: 9 – 10
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Water: 37 mg/l (@20°C)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 2.4145 g/cm <sup>3</sup> (20°C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available.

#### 9.2.2. Other safety characteristics

Percent Solids	: 100 %
Bulk density	: 85 – 130 kg/m <sup>3</sup>

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available.

#### 10.6. Hazardous decomposition products

No additional information available.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified.

#### PROMAXON®-D (1344-95-2)

LC50 Inhalation - Rat (Dust/Mist)	> 4.9 mg/l/4h
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#### Silicic acid, calcium salt (crystalline) (1344-95-2)

LC50 Inhalation - Rat (Dust/Mist)	> 4.9 mg/l/4h
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Skin corrosion/irritation : Not classified  
pH: 9 – 10  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: 9 – 10  
Respiratory or skin sensitisation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Germ cell mutagenicity : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

#### PROMAXON®-D (1344-95-2)

Viscosity, kinematic	Not applicable
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### 11.2. Information on other hazards

No additional information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified
Not rapidly degradable	

### 12.2. Persistence and degradability

#### PROMAXON®-D (1344-95-2)

Persistence and degradability	Half-life with hydrolysis:< 6 days. The material is inorganic and therefore no biological decomposition processes take place.
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#### Silicic acid, calcium salt (crystalline) (1344-95-2)

Persistence and degradability	Hydrolysis half-life: < 6 days. Substance is inorganic and therefore not subjected to biodegradation.
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### 12.3. Bioaccumulative potential

#### Silicic acid, calcium salt (crystalline) (1344-95-2)

Bioaccumulative potential	Substance is inorganic and therefore not subjected to bioaccumulation.
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### 12.4. Mobility in soil

#### Silicic acid, calcium salt (crystalline) (1344-95-2)

Ecology - soil	Substance has a low potential for adsorption.
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### 12.5. Results of PBT and vPvB assessment

#### Component

Silicic acid, calcium salt (crystalline) (1344-95-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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### 12.6. Endocrine disrupting properties

No additional information available.

### 12.7. Other adverse effects

No additional information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code	: 17 06 04 - insulation materials other than those mentioned in 17 06 01 and 17 06 03

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### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1. UN number or ID number

UN-No. (ADR)	: Not established.
UN-No. (IMDG)	: Not established.
UN-No. (IATA)	: Not established.
UN-No. (ADN)	: Not established.
UN-No. (RID)	: Not established.

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not established.
Proper Shipping Name (IMDG)	: Not established.
Proper Shipping Name (IATA)	: Not established.
Proper Shipping Name (ADN)	: Not established.
Proper Shipping Name (RID)	: Not established.

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not established.

##### IMDG

Transport hazard class(es) (IMDG) : Not established.

##### IATA

Transport hazard class(es) (IATA) : Not established.

##### ADN

Transport hazard class(es) (ADN) : Not established.

##### RID

Transport hazard class(es) (RID) : Not established.

#### 14.4. Packing group

Packing group (ADR)	: Not established.
Packing group (IMDG)	: Not established.
Packing group (IATA)	: Not established.
Packing group (ADN)	: Not established.
Packing group (RID)	: Not established.

#### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Not established.

##### Transport by sea

Not established.

##### Air transport

Not established.

##### Inland waterway transport

Not established.

##### Rail transport

Not established.

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### 14.7. Maritime transport in bulk according to IMO instruments

Not established.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

PROMAXON®-D is not on the REACH Candidate List

PROMAXON®-D is not on the REACH Annex XIV List

PROMAXON®-D is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

PROMAXON®-D is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

1. Identification of the substance/mixture and of the company/undertaking. 16. Other information. attachment.

### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration

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NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. ECHA (European Chemicals Agency).

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation.

Full text of use descriptors	
ERC5	Use at industrial site leading to inclusion into/onto article
PC1	Adhesives, sealants
PC12	Fertilizers
PC24	Lubricants, greases, release products
PC35	Washing and cleaning products
PC7	Base metals and alloys
PC9a	Coatings and paints, thinners, paint removers
PC9b	Fillers, putties, plasters, modelling clay
PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC13	Treatment of articles by dipping and pouring
PROC14	Tabletting, compression, extrusion, pelettisation, granulation
PROC19	Manual activities involving hand contact
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC21	Low energy manipulation and handling of substances bound in/on materials or articles
PROC3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4	Chemical production where opportunity for exposure arises

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PROC5	Mixing or blending in batch processes
PROC6	Calendering operations
PROC7	Industrial spraying
PROC8a	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
SU10	Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

Safety information applicable for : IE;MT;GB  
regions

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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### Annex to the safety data sheet

Identified Uses	Es N°	Short title	Page
Formulation: Adhesives and sealants	1		15
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 1. ES1 - Formulation; Formulation: Adhesives and sealants

#### 1.1. Title section

##### Formulation: Adhesives and sealants

ES Ref.: ES1

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	FEICA F1 - Synthesis and formulation of adhesives in closed processes	PROC3
CS3	FEICA F2 - Synthesis and formulation of adhesives in open and batch processes	PROC4
CS3	FEICA F2 - Synthesis and formulation of adhesives in open and batch processes	PROC8b
CS4	FEICA F2 - Synthesis and formulation of adhesives in open and batch processes	PROC9

#### 1.2. Conditions of use affecting exposure

##### 1.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
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##### 1.2.2. Control of worker exposure: FEICA F1 - Synthesis and formulation of adhesives in closed processes (PROC3)

PROC3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
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#### Product (article) characteristics

Dustiness	Solid, medium dustiness
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#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
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#### Technical and organisational conditions and measures

Use in closed batch process (synthesis or formulation)	
Local exhaust ventilation	No

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
------------	--

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 1.2.3. Control of worker exposure: FEICA F2 - Synthesis and formulation of adhesives in open and batch processes (PROC4)

PROC4	Chemical production where opportunity for exposure arises
-------	---

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Use in batch and other process (synthesis) where opportunity for exposure arises	
Local exhaust ventilation	No

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
------------	--

### 1.2.4. Control of worker exposure: FEICA F2 - Synthesis and formulation of adhesives in open and batch processes (PROC8b)

PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
--------	---

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
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### 1.2.5. Control of worker exposure: FEICA F2 - Synthesis and formulation of adhesives in open and batch processes (PROC9)

PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
-------	---

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
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#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

Technical and organisational conditions and measures	
Local exhaust ventilation	No

Conditions and measures related to personal protection, hygiene and health evaluation	
Respiratory protection	No

Other conditions affecting workers exposure	
Indoor use	

### 1.3. Exposure estimation and reference to its source

#### 1.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

#### 1.3.2. Worker exposure FEICA F1 - Synthesis and formulation of adhesives in closed processes (PROC3)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	1 mg/m <sup>3</sup>	0.1	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.1	

#### 1.3.3. Worker exposure FEICA F2 - Synthesis and formulation of adhesives in open and batch processes (PROC4)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

#### 1.3.4. Worker exposure FEICA F2 - Synthesis and formulation of adhesives in open and batch processes (PROC8b)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

#### 1.3.5. Worker exposure FEICA F2 - Synthesis and formulation of adhesives in open and batch processes (PROC9)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 1.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 1.4.1. Environment

Guidance - Environment	Not relevant
------------------------	--------------

#### 1.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
-------------------	--

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 2. ES2 - Formulation; Formulation: Friction material

#### 2.1. Title section

##### Formulation: Friction material

ES Ref.: ES2

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	Production of friction material mixes	PROC5

#### 2.2. Conditions of use affecting exposure

##### 2.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
-------------------	--

##### 2.2.2. Control of worker exposure: Production of friction material mixes (PROC5)

PROC5	Mixing or blending in batch processes
-------	---------------------------------------

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
------------	--

#### 2.3. Exposure estimation and reference to its source

##### 2.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

##### 2.3.2. Worker exposure Production of friction material mixes (PROC5)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### Information for contributing exposure scenario

Sum RCR - Long-term - systemic effects		0.5	
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### 2.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 2.4.1. Environment

Guidance - Environment	Not relevant
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#### 2.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 3. ES3 - Formulation; Formulation: Other applications (General)

#### 3.1. Title section

##### Formulation: Other applications (General)

ES Ref.: ES3

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	Formulation in closed batch	PROC1
CS3	Formulation in closed continuous process	PROC2

#### 3.2. Conditions of use affecting exposure

##### 3.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
-------------------	--

##### 3.2.2. Control of worker exposure: Formulation in closed batch (PROC1)

PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
-------	--

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Use in closed process, no likelihood of exposure	
Local exhaust ventilation	No

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
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##### 3.2.3. Control of worker exposure: Formulation in closed continuous process (PROC2)

PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
-------	--

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours

### Technical and organisational conditions and measures

Use in closed, continuous process with occasional controlled exposure

Local exhaust ventilation

No

### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection

No

### Other conditions affecting workers exposure

Indoor use

## 3.3. Exposure estimation and reference to its source

### 3.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

### 3.3.2. Worker exposure Formulation in closed batch (PROC1)

#### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	0.01 mg/m <sup>3</sup>	0.001	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.001	

### 3.3.3. Worker exposure Formulation in closed continuous process (PROC2)

#### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	0.5 mg/m <sup>3</sup>	0.05	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.05	

## 3.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

### 3.4.1. Environment

Guidance - Environment	Not relevant
------------------------	--------------

### 3.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 4. ES4 - Industrial; Industrial use: Adhesives and sealants

#### 4.1. Title section

##### Industrial use: Adhesives and sealants

ES Ref.: ES4

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	Spraying of product containing Crystalline silicic acid, calcium salt	PROC7
CS3	Tabletting, compression, extrusion or pelletisation	PROC14

#### 4.2. Conditions of use affecting exposure

##### 4.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
-------------------	--

##### 4.2.2. Control of worker exposure: Spraying of product containing Crystalline silicic acid, calcium salt (PROC7)

PROC7	Industrial spraying
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##### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

##### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

##### Technical and organisational conditions and measures

Local exhaust ventilation	Yes
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##### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

##### Other conditions affecting workers exposure

Indoor use	
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##### 4.2.3. Control of worker exposure: Tabletting, compression, extrusion or pelletisation (PROC14)

PROC14	Tabletting, compression, extrusion, pelettisation, granulation
--------	--

##### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours

### Technical and organisational conditions and measures

Local exhaust ventilation

No

### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection

No

### Other conditions affecting workers exposure

Indoor use

### 4.3. Exposure estimation and reference to its source

#### 4.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

#### 4.3.2. Worker exposure Spraying of product containing Crystalline silicic acid, calcium salt (PROC7)

##### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	1 mg/m <sup>3</sup>	0.1	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.1	

#### 4.3.3. Worker exposure Tableting, compression, extrusion or pelletisation (PROC14)

##### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	1 mg/m <sup>3</sup>	0.1	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.1	

### 4.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 4.4.1. Environment

Guidance - Environment

Not relevant

#### 4.4.2. Health

Guidance - Health

Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.



# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 5. ES5 - Industrial; Industrial use: Friction material

#### 5.1. Title section

##### Industrial use: Friction material

ES Ref.: ES5

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	Production of brake pads / brake linings	PROC14
CS3	Replacement and installation of brake pads / brake linings	PROC8a

#### 5.2. Conditions of use affecting exposure

##### 5.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
-------------------	--

##### 5.2.2. Control of worker exposure: Production of brake pads / brake linings (PROC14)

PROC14	Tableting, compression, extrusion, pelettisation, granulation
--------	---

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
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##### 5.2.3. Control of worker exposure: Replacement and installation of brake pads / brake linings (PROC8a)

PROC8a	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
--------	---

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours

### Technical and organisational conditions and measures

Local exhaust ventilation

No

### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection

No

### Other conditions affecting workers exposure

Indoor use

## 5.3. Exposure estimation and reference to its source

### 5.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

### 5.3.2. Worker exposure Production of brake pads / brake linings (PROC14)

#### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	1 mg/m <sup>3</sup>	0.1	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.1	

### 5.3.3. Worker exposure Replacement and installation of brake pads / brake linings (PROC8a)

#### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

## 5.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

### 5.4.1. Environment

Guidance - Environment

Not relevant

### 5.4.2. Health

Guidance - Health

Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 6. ES6 - Industrial; Industrial use: Manufacturing of products with Crystalline silicic acid, calcium salt

#### 6.1. Title section

##### Industrial use: Manufacturing of products with Crystalline silicic acid, calcium salt

ES Ref.: ES6

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Industrial use resulting in inclusion into or onto a matrix	ERC5

Worker		Use descriptors
CS2	Manufacturing of products with Crystalline silicic acid, calcium salt	PROC14

#### 6.2. Conditions of use affecting exposure

##### 6.2.1. Control of environmental exposure: Industrial use resulting in inclusion into or onto a matrix (ERC5)

ERC5	Use at industrial site leading to inclusion into/onto article
Assessment method	No exposure assessment presented for the environment Not required

##### 6.2.2. Control of worker exposure: Manufacturing of products with Crystalline silicic acid, calcium salt (PROC14)

PROC14	Tableting, compression, extrusion, pelettisation, granulation
--------	---

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
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#### 6.3. Exposure estimation and reference to its source

##### 6.3.1. Environmental release and exposure Industrial use resulting in inclusion into or onto a matrix (ERC5)

No information available

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 6.3.2. Worker exposure Manufacturing of products with Crystalline silicic acid, calcium salt (PROC14)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	1 mg/m <sup>3</sup>	0.1	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.1	

### 6.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 6.4.1. Environment

Guidance - Environment	Not relevant
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#### 6.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 7. ES7 - Professional; Professional use: Adhesives and sealants

#### 7.1. Title section

##### Professional use: Adhesives and sealants

ES Ref.: ES7

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	Application of adhesives (indoor)	PROC21
CS3	Rolling/ brushing of products containing Crystalline silicic acid, calcium salt	PROC10
CS4	Spraying of product containing Crystalline silicic acid, calcium salt	PROC11
CS5	Foam blowing with product containing Crystalline silicic acid, calcium salt	PROC19
CS6	Dipping of articles in or pouring with product containing Crystalline silicic acid, calcium salt	PROC13

#### 7.2. Conditions of use affecting exposure

##### 7.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
-------------------	--

##### 7.2.2. Control of worker exposure: Application of adhesives (indoor) (PROC21)

PROC21	Low energy manipulation and handling of substances bound in/on materials or articles
--------	--

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
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#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
------------	--

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 7.2.3. Control of worker exposure: Rolling/ brushing of products containing Crystalline silicic acid, calcium salt (PROC10)

PROC10	Roller application or brushing
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#### Product (article) characteristics

Dustiness	Solid, medium dustiness
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#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
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#### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

#### Other conditions affecting workers exposure

Indoor use	
------------	--

### 7.2.4. Control of worker exposure: Spraying of product containing Crystalline silicic acid, calcium salt (PROC11)

PROC11	Non industrial spraying
--------	-------------------------

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

#### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection. Inhalation - minimum efficiency of	90 %
--	------

#### Other conditions affecting workers exposure

Indoor use	
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### 7.2.5. Control of worker exposure: Foam blowing with product containing Crystalline silicic acid, calcium salt (PROC19)

PROC19	Manual activities involving hand contact
--------	--

#### Product (article) characteristics

Dustiness	Solid, medium dustiness
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#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

### Other conditions affecting workers exposure

Indoor use	
------------	--

### 7.2.6. Control of worker exposure: Dipping of articles in or pouring with product containing Crystalline silicic acid, calcium salt (PROC13)

PROC13	Treatment of articles by dipping and pouring
--------	--

### Product (article) characteristics

Dustiness	Solid, medium dustiness
-----------	-------------------------

### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
--------------------------------------	--

### Technical and organisational conditions and measures

Local exhaust ventilation	No
---------------------------	----

### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
------------------------	----

### Other conditions affecting workers exposure

Indoor use	
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### 7.3. Exposure estimation and reference to its source

#### 7.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

#### 7.3.2. Worker exposure Application of adhesives (indoor) (PROC21)

##### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

#### 7.3.3. Worker exposure Rolling/ brushing of products containing Crystalline silicic acid, calcium salt (PROC10)

##### Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 7.3.4. Worker exposure Spraying of product containing Crystalline silicic acid, calcium salt (PROC11)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	2	0.2	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.2	

### 7.3.5. Worker exposure Foam blowing with product containing Crystalline silicic acid, calcium salt (PROC19)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

### 7.3.6. Worker exposure Dipping of articles in or pouring with product containing Crystalline silicic acid, calcium salt (PROC13)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5 mg/m <sup>3</sup>	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

## 7.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

### 7.4.1. Environment

Guidance - Environment	Not relevant
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### 7.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 8. ES8 - Professional; Professional use: Friction material

#### 8.1. Title section

##### Professional use: Friction material

ES Ref.: ES8

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	Replacement and installation of brake pads / brake linings	PROC8a

#### 8.2. Conditions of use affecting exposure

##### 8.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
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##### 8.2.2. Control of worker exposure: Replacement and installation of brake pads / brake linings (PROC8a)

PROC8a	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
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#### Product (article) characteristics

Dustiness	Solid, medium dustiness
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#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
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#### Technical and organisational conditions and measures

Local exhaust ventilation	No
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#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
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#### Other conditions affecting workers exposure

Indoor use	
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#### 8.3. Exposure estimation and reference to its source

##### 8.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 8.3.2. Worker exposure Replacement and installation of brake pads / brake linings (PROC8a)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5	0.5	Used ECETOC TRA model
Sum RCR - Long-term - systemic effects		0.5	

### 8.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 8.4.1. Environment

Guidance - Environment	Not relevant
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#### 8.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 9. ES9 - Professional; Professional use: Calendering operations

#### 9.1. Title section

##### Professional use: Calendering operations

ES Ref.: ES9

ES Type: Worker

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Worker		Use descriptors
CS2	Calendering of product	PROC6

#### 9.2. Conditions of use affecting exposure

##### 9.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
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##### 9.2.2. Control of worker exposure: Calendering of product (PROC6)

PROC6	Calendering operations
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#### Product (article) characteristics

Dustiness	Solid, medium dustiness
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#### Amount used (or contained in articles), frequency and duration of use/exposure

Covers daily exposures up to 8 hours	
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#### Technical and organisational conditions and measures

Local exhaust ventilation	No
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#### Conditions and measures related to personal protection, hygiene and health evaluation

Respiratory protection	No
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#### Other conditions affecting workers exposure

Indoor use	
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#### 9.3. Exposure estimation and reference to its source

##### 9.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

##### 9.3.2. Worker exposure Calendering of product (PROC6)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	5	0.5	Used ECETOC TRA model

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### Information for contributing exposure scenario

Sum RCR - Long-term - systemic effects		0.5	
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### 9.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 9.4.1. Environment

Guidance - Environment	Not relevant
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#### 9.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ECETOC TRA. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 10. ES10 - Consumer; Consumer use: Adhesives and sealants

#### 10.1. Title section

##### Consumer use: Adhesives and sealants

ES Ref.: ES10

ES Type: Consumer

Version: 1.0

Issue date: 4/8/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Consumer		Use descriptors
CS2	FEICA PA4 - Indoor use in coatings (paints, inks, adhesives, etc.) including exposures during use (including product transfer and spraying, brushing, aerosol and other manual application tasks) and equipment cleaning	PC9a
CS3	FEICA PA4 - Indoor use in fillers, putties including exposures during use (including product transfer and other manual application task) and equipment cleaning	PC9b

#### 10.2. Conditions of use affecting exposure

##### 10.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
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##### 10.2.2. Control of consumer exposure: FEICA PA4 - Indoor use in coatings (paints, inks, adhesives, etc.) including exposures during use (including product transfer and spraying, brushing, aerosol and other manual application tasks) and equipment cleaning (PC9a)

PC9a	Coatings and paints, thinners, paint removers
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##### Other conditions affecting consumer exposure

Indoor use	
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##### 10.2.3. Control of consumer exposure: FEICA PA4 - Indoor use in fillers, putties including exposures during use (including product transfer and other manual application task) and equipment cleaning (PC9b)

PC9b	Fillers, putties, plasters, modelling clay
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##### Other conditions affecting consumer exposure

Indoor use	
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#### 10.3. Exposure estimation and reference to its source

##### 10.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 10.3.2. Consumer exposure FEICA PA4 - Indoor use in coatings (paints, inks, adhesives, etc.) including exposures during use (including product transfer and spraying, brushing, aerosol and other manual application tasks) and equipment cleaning (PC9a)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	2.14 mg/m <sup>3</sup>	0.428	Consexpo v4.1
Sum RCR - Long-term - systemic effects		0.428	

### 10.3.3. Consumer exposure FEICA PA4 - Indoor use in fillers, putties including exposures during use (including product transfer and other manual application task) and equipment cleaning (PC9b)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	2.14	< 0.2	Consexpo v4.1
Sum RCR - Long-term - systemic effects		< 0.2	

### 10.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 10.4.1. Environment

Guidance - Environment	Not relevant
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#### 10.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ConsExpo v4.1. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 11. ES11 - Consumer; Consumer use: Use of adhesives resulting in inclusion in or onto a matrix (indoor)

#### 11.1. Title section

##### Consumer use: Use of adhesives resulting in inclusion in or onto a matrix (indoor)

ES Ref.: ES11 ES Type: Consumer Version: 1.0	Issue date: 4/11/2022
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Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Consumer		Use descriptors
CS2	Use in adhesives	PC1

#### 11.2. Conditions of use affecting exposure

##### 11.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
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##### 11.2.2. Control of consumer exposure: Use in adhesives (PC1)

PC1	Adhesives, sealants
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##### Other conditions affecting consumer exposure

Indoor use	
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#### 11.3. Exposure estimation and reference to its source

##### 11.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

##### 11.3.2. Consumer exposure Use in adhesives (PC1)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	0.561 mg/m <sup>3</sup>	0.112	Consexpo v4.1
Sum RCR - Long-term - systemic effects		0.112	

#### 11.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

##### 11.4.1. Environment

Guidance - Environment	Not relevant
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

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### 11.4.2. Health

Guidance - Health

Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ConsExpo v4.1. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.



# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 12. ES12 - Consumer; Consumer use: Other applications (Indoor use)

#### 12.1. Title section

##### Consumer use: Other applications (Indoor use)

ES Ref.: ES12

ES Type: Consumer

Version: 1

Issue date: 4/11/2022

Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Consumer		Use descriptors
CS2	Use of lubricants	PC24
CS3	Use of laundry and dishwashing products	PC35

#### 12.2. Conditions of use affecting exposure

##### 12.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
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##### 12.2.2. Control of consumer exposure: Use of lubricants (PC24)

PC24	Lubricants, greases, release products
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##### Other conditions affecting consumer exposure

Indoor use	
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##### 12.2.3. Control of consumer exposure: Use of laundry and dishwashing products (PC35)

PC35	Washing and cleaning products
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##### Other conditions affecting consumer exposure

Indoor use	
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#### 12.3. Exposure estimation and reference to its source

##### 12.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

##### 12.3.2. Consumer exposure Use of lubricants (PC24)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	0.025 mg/m <sup>3</sup>	0.005	Consexpo v4.1
Sum RCR - Long-term - systemic effects		0.005	

# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 12.3.3. Consumer exposure Use of laundry and dishwashing products (PC35)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	4.5 mg/m <sup>3</sup>	0.9	Consexpo v4.1
Sum RCR - Long-term - systemic effects		0.9	

### 12.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

#### 12.4.1. Environment

Guidance - Environment	Not relevant
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#### 12.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ConsExpo v4.1. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 13. ES13 - Consumer; Consumer use: Other applications (Outdoor use)

#### 13.1. Title section

##### Consumer use: Other applications (Outdoor use)

ES Ref.: ES13 ES Type: Consumer Version: 1	Issue date: 4/11/2022
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Environment		Use descriptors
CS1	Contributing scenario controlling environmental exposure	

Consumer		Use descriptors
CS2	Fertilizer	PC12

#### 13.2. Conditions of use affecting exposure

##### 13.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure

Assessment method	No exposure assessment presented for the environment Not required
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##### 13.2.2. Control of consumer exposure: Fertilizer (PC12)

PC12	Fertilizers
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##### Other conditions affecting consumer exposure

Outdoor use	
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#### 13.3. Exposure estimation and reference to its source

##### 13.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure

No information available

##### 13.3.2. Consumer exposure Fertilizer (PC12)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Inhalation - Long-term - systemic effects	0.09 mg/m <sup>3</sup>	0.018	Consexpo v4.1
Sum RCR - Long-term - systemic effects		0.018	

#### 13.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

##### 13.4.1. Environment

Guidance - Environment	Not relevant
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# PROMAXON®-D

## Annex to the safety data sheet: Exposure scenario

CAS-No.: 1344-95-2 Product form: Substance Physical state: Solid Substance type: Mono-constituent

### 13.4.2. Health

Guidance - Health

Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Exposure estimate: ConsExpo v4.1. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Do not exceed the Risk Characterisation Ratios (RCR). Health scalable parameters: Concentration, Exposure duration, Ventilation, Local exhaust ventilation, Personal protection equipment. Contact supplier if guidance is required.