

SAFETY DATA SHEET

Version 01
Date of Issue 23 May 2017
Date of First Issue 23 May 2017

In accordance with OSHA HCS (29 CFR 1910.1200)

SECTION 1: IDENTIFICATION

Product identifier used on the label	PROMAXON®-D
Other means of identification	
Chemical Name	Silicic acid, calcium salt (crystalline)
CAS Number	1344-95-2
Recommended use of the chemical and restrictions on use	
Recommended use	Used for friction extender in brakepads and - linings, Thixotropic agent in paints and coatings, parting agent for granulates, in dry liquid systems, Flame retardant and drip suppressant in thermoplastic
Restrictions on use	Anything other than the above.
Details of the supplier of the safety data sheet	
Supplier	Promat International N.V.
Address of Supplier	Bormstraat 16 2830 Tiselt Belgium
Telephone	
Fax	+32 15 71 81 00
E-Mail (competent person)	+32 15 71 81 09
Emergency telephone number	+32 15 71 81 00 (Monday to Friday 8.00 am – 5.00 pm) (MEZ)
Languages spoken	English, French and Dutch

SECTION 2: HAZARD(S) IDENTIFICATION**Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200**

Physical hazards	Not classified
Health hazards	Eye Irrit. 2; H319
Environmental hazards	Not classified

Hazard Symbol



Signal Word(s)

WARNING

Hazard Statement(s)

H319: Causes serious eye irritation.

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Precautionary Statement(s)
 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.
 P264: Wash hands and exposed skin thoroughly after handling.

Other hazards
 None known.

Percent of the mixture consists of ingredient(s) of unknown acute toxicity:
 0%

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances Not applicable

Mixtures Substances in preparations / mixtures

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
PROMAXON®-D*	≥ 98	1344-95-2	215-710-8	Eye Irrit. 2; H319

For full text of H/P Statements see section 16. * Contains: No other components or impurities which will influence the classification of the product

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation
 If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact
 Wash with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Ingestion
 Rinse mouth with water (do not swallow). Do not induce vomiting wash out mouth with water. If symptoms occur obtain medical attention.

Most important symptoms and effects, both acute and delayed
 Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed
 Treat symptomatically

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SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Non-combustible. Does not support combustion. Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Foam, water spray or fog.

Do not use water jet. Direct water jet may spread the fire.

None known.

Unsuitable extinguishing Media

Special hazards arising from the substance or mixture

Special protective equipment and precautions for fire fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Take off contaminated clothing and wash it before reuse. Wear suitable protective clothing.

Methods and material for containment and cleaning up

Stop leak if safe to do so. Use vacuum equipment for collecting spilt materials, where practicable. Damp down to avoid dust generation. Transfer to a lidded container for disposal or recovery.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Unpack material at application site to avoid unnecessary handling of product. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash hands thoroughly after handling. Ensure suitable personal protection during removal of spillages. Good hygiene practices and housekeeping measures. Keep good industrial hygiene. Do not eat, drink or smoke at the work place.

Conditions for safe storage, including any incompatibilities

Keep only in the original container/package in a cool well-ventilated place. Keep away from food, drinks and animal food. Keep container tightly closed.

Storage temperature
Incompatible materials

Store at room temperature.
Avoid contact with moisture. Keep away from: Humidity

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Silicic acid, calcium salt (crystalline)	1344-95-2	-	10	-	-	NIOSH Total Dust Respirable Dust
		-	5	-	-	
		-	10	-	-	OSHA Total Dust Respirable Dust
		-	4	-	-	
-	10	-	-	ACGIH		

Note: OSHA PELs 1910.1000 TABLE Z-1/ NIOSH RELs / ACGIH TLVs

Biological exposure indicies

Not established

Appropriate engineering controls

Ensure adequate ventilation. Good hygiene practices and housekeeping measures. Keep container tightly closed and dry. Store in a cool/low-temperature, well-ventilated (dry) place.

Individual protection measures, such as personal protective equipment (PPE)

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Ensure adequate ventilation. Keep good industrial hygiene. Contaminated clothing should be thoroughly cleaned.

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection



Hand protection:

Impervious gloves. Gloves should be changed if excessive exposure has occurred.

Body protection:

Wear suitable coveralls to prevent exposure to the skin.

Respiratory protection



In case of insufficient ventilation, wear suitable respiratory equipment. A suitable dust mask or dust respirator with filter type A/P may be appropriate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

White Powder

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Odor	None
Odor Threshold	Not applicable
pH	~ 9 - 10
Melting Point/Freezing Point	Not applicable
Initial boiling point and boiling range	Not established.
Flash Point	Not established.
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not flammable.
Upper/lower flammability or explosive limits	Not established.
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	Not established.
Solubility(ies)	Water: 37 mg/l @ 20 °C
Partition coefficient: n-octanol/water	Not established.
Auto-ignition temperature	Not established.
Decomposition Temperature	Not established.
Viscosity	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition product(s)	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects (Substances in preparations / mixtures)

Acute toxicity	
Ingestion	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw/day
Inhalation	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >4.9 mg/l (Dust)
Skin Contact	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw/day
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Eye Irrit. 2; Causes serious eye irritation.
Respiratory or skin sensitization	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
Carcinogenicity	Based upon the available data, the classification criteria are not met.

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Reproductive toxicity	met. Based upon the available data, the classification criteria are not met.
STOT - single exposure	Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.
Information on likely routes of exposure	
Inhalation	Possible – accidental exposure
Ingestion	Unlikely – accidental exposure
Skin Contact	Possible – accidental exposure
Eye Contact	Unlikely – accidental exposure
Early onset symptoms related to exposure	Causes serious eye irritation.
Delayed health effects from exposure	Causes serious eye irritation.
Other information	
NTP Report on Carcinogens	No
IARC Monographs	No
OSHA Designated Carcinogen	No

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Based upon the available data, the classification criteria are not met.
Persistence and degradability	Hydrolysis half-life: < 6 Days. Substance is inorganic. Not biodegradable
Bioaccumulative potential	Substance is inorganic. The substance has no potential for bioaccumulation.
Mobility in soil	The product is predicted to have low mobility in soil.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Dispose of waste according to applicable legislation. Do not discharge into drains or the environment, dispose to an authorised waste collection point. Dispose of waste cans and containers according to local regulations.
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SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

UN number	ADR/RID	IMDG	IATA/ICAO
	Not classified.	Not classified.	Not classified.

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UN proper shipping name	Not classified.	Not classified.	Not classified.
Transport hazard class(es)	Not classified.	Not classified.	Not classified.
Packing group	Not classified.	Not classified.	Not classified.
Environmental hazards	Not classified.	Not classified.	Not classified.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.		
Special precautions for user	See Section: 2		

SECTION 15: REGULATORY INFORMATION

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

US Federal Regulations

TSCA (Toxic Substance Control Act) Not listed

US State Regulations

Proposition 65 (California) Not listed

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0

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References:

Existing Safety Data Sheet (SDS). Existing ECHA registration for Silicic acid, calcium salt (CAS No. 1344-95-2)

LEGEND

ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: The Occupational Safety & Health Administration
PBT: Persistent, Bioaccumulative and Toxic
REL: Recommended exposure limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit value
TWA: Time Weighted Average
TSCA: Toxic Substance Control Act
vPvB: very Persistent and very Bioaccumulative
PEL: Permissible exposure limit

Hazard Class / Classification code:

Eye Irrit. 2; Eye Irritation, Category 2

Hazard Statement(s)

H319: Causes serious eye irritation.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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