Safety Data Sheet

Prepared in Accordance with HCS 29 C.F.R. 1910.1200



1. Identification of the Substance/Mixture and the Company/Undertaking

1.1	Product Identifier	12783-SDS	Revision Date:	12/02/2024
	Product Name:	Precision Seal SL	Supersedes Date:	09/27/2023
1.2	Relevant identified uses of the substance or mixture and uses advised against	One Part Sealant Advised against: othe	ers than recommended	
1.3	Details of the supplier of the safety	data sheet		
	Supplier:	Prime Resins Inc. 2291 Plunkett Road Conyers, GA 30012 USA Phone: 800-321-7212 Fax: 770-338-0936 www.primeresins.com		
	Datasheet Produced by:	EHS@primeresins.com		
1.4	Emergency telephone number:	CHEMTREC +001 703 5273887 (Outs CHEMTREC 1-800-424-9300 (Inside L		

2. Hazard Identification

2.1 Classification of the substance or mixture

Hazardous to the aquatic environment, Chronic, category 3 Carcinogenicity, category 1A Eye Irritation, category 2B Respiratory Sensitizer, category 1 Skin Irritation, category 2 STOT, repeated exposure, category 1

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

limestone, 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl-isocyanate

HAZARD STATEMENTS

Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2B	H320	Causes eye irritation.
Respiratory Sensitizer, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carcinogenicity, category 1A	H350-1A	May cause cancer.
STOT, repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.
PRECAUTION PHRASES		
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P264	Wash hands thoroughly after handling.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/ face protection.
	P284	Wear respiratory protection.
	P285	In case of inadequate ventilation wear respiratory protection.
	P304	IF INHALED:
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	P308+313	IF exposed or concerned: Get medical advice/attention.
	P314	Get medical advice/attention if you feel unwell.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P341	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P342+311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

3. Composition/Information On Ingredients

3.2 Mixtures

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Hazardous ingredients

Name According to EEC	<u>EINEC No.</u> 215-279-6	<u>CAS-No.</u> 1317-65-3	<u>%</u> 10 - <25	Classifications H315-319-350-372	Carc. 1A, Eye Irrit. 2, Skin Irrit. 2, STOT RE 1
calcium oxide		1305-78-8	2.5 - <10	H314-335	Skin Corr. 1, STOT SE 3 RTI
Xylene	215-535-7	1330-20-7	2.5 - <10	H226-304-315-332-3 36-361	Acute Tox. 4 Inhalation, Asp. Tox. 1, Flam. Liq. 3, Repr. 2, Skin Irrit. 2, STOT SE 3 NE
titanium dioxide	236-675-5	13463-67-7	2.5 - <10	H351	Carc. 2
Distillates (petroleum), hydrotreated light	265-149-8	64742-47-8	2.5 - <10	H304-336-411	Aquatic Chronic 2, Asp. Tox. 1, STOT SE 3 NE
Solvent naphtha (petroleum), medium aliph.	265-191-7	64742-88-7	2.5 - <10	H226-304-372	Asp. Tox. 1, Flam. Liq. 3, STOT RE 1
Ethylbenzene	202-849-4	100-41-4	0.1 - <1.0	H225-304-315-319-3 32-351-373	Acute Tox. 4 Inhalation, Asp. Tox. 1, Carc. 2, Eye Irrit. 2, Flam. Liq. 2, Skin Irrit. 2, STOT RE 2
3- Isocyanatomethyl-3,5,5- trimethylcyclohexyl- isocyanate	223-861-6	4098-71-9	0.1 - <1.0	H312-315-317-319-3 30-334-335-411	Acute Tox. 2 Inhalation, Acute Tox. 4 Dermal, Aquatic Chronic 2, Eye Irrit. 2, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1, STOT SE 3 RTI
3-iodo-2- propynylbutylcarbamate	259-627-5	55406-53-6	0.1 - <1.0	H302-317-318-331-3 72-400-410	Acute Tox. 3 Inhalation, Acute Tox. 4 Oral, Aquatic Acute 1, Aquatic Chronic 1, Eye Dam. 1, Skin Sens. 1, STOT RE 1
Distillates (petroleum), hydrotreated heavy naphthenic	265-155-0 265-155-0	64742-52-5	0.1 - <1.0	H350	Carc. 1A

CAS-No. 1317-65-3 1305-78-8 1330-20-7 13463-67-7 64742-47-8 64742-88-7 100-41-4 4098-71-9 55406-53-6 64742-52-5 M-Factors

Additional Information: The text for GHS Hazard Statements shown above (if any) is given in Section 16.

4. First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice.

AFTER INHALATION: Move to fresh air. Oxygen or artificial respiration if needed. Call a physician or poison control centre immediately.

AFTER SKIN CONTACT: Consult a doctor in the case of skin irritations or allergic reactions. Wash off immediately with soap and plenty of water. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. AFTER EYE CONTACT: Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses. If eye irritation persists, consult a specialist.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Do NOT induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

May be harmful if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

5. Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture No Information

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Hazardous decomposition products formed under fire conditions. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. None.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Evacuate personnel to safe areas.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

7. Handling and Storage

7.1 Precautions for safe handling

INSTRUCTIONS FOR SAFE HANDLING: Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment.

PROTECTION AND HYGIENE MEASURES: Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: No Information

STORAGE CONDITIONS: Do not freeze. Keep containers tightly closed in a cool, well-ventilated place. Keep containers

tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

No specific advice for end use available.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits

(US)

Name	CAS-No.	ACGIH TWA	ACGIH STEL ACGIH Ceiling
limestone	1317-65-3	10.00 MG/M3	
calcium oxide	1305-78-8	2 MGM3	
Xylene	1330-20-7	20 PPM	150 PPM
titanium dioxide	13463-67-7	10 MGM3 10 MGM3	
Distillates (petroleum), hydrotreated l	ight 64742-47-8	100.0 PPM	
Solvent naphtha (petroleum), mediun aliph.	n 64742-88-7		
Ethylbenzene	100-41-4	20 PPM	125 ppm
3-Isocyanatomethyl-3,5,5- trimethylcyclohexyl-isocyanate	4098-71-9	0.005 PPM	
3-iodo-2-propynylbutylcarbamate	55406-53-6		
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5		
Name	CAS-No.	OSHA PEL	OSHA STEL
limestone	1317-65-3	5 MGM3 15 MGM3 5 MGM3 15 MGM3 5 MGM3 15 MGM3	
calcium oxide	1305-78-8	5 MGM3	
Xylene	1330-20-7	435 MGM3, 100 PPM	655 MGM3, 150 PPM
titanium dioxide	13463-67-7	15 MGM3	
Distillates (petroleum), hydrotreated	light 64742-47-8	500.0 PPM	
Solvent naphtha (petroleum), mediur aliph.	n 64742-88-7		
Ethylbenzene	100-41-4	435 MGM3, 100 PPM	545 MGM3, 125 PPM
3-Isocyanatomethyl-3,5,5- trimethylcyclohexyl-isocyanate	4098-71-9	0.005 PPM	0.02 PPM
3-iodo-2-propynylbutylcarbamate	55406-53-6		
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5		

FURTHER INFORMATION: Refer to the regulatory exposure limits for the workforce enforced in each country.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Use only with ventilation to keep levels below exposure guidelines reported in this document. User should test and monitor exposure levels to ensure all personnel are below guidelines. If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved full-face piece respirator, half-face piece respirator with splash goggles, or powered, filtered air-supplied hood.

EYE PROTECTION: Safety glasses.

HAND PROTECTION: Protective gloves.

Body Protection: Long sleeved clothing.

Remove and wash contaminated clothing before re-use.

OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

9. F	9. Physical and Chemical Properties			
9.1	Information on basic physical and chemical properties Appearance:	Grey Paste		
	Physical State	Paste		
	Odor			
		Mild		
	Odor threshold	Not determined		
	рН	Not determined		
	Melting point / freezing point (°C)	Not determined		
	Boiling point/range (°C)	136 - N.D.		
	Flash Point, (°F / °C)	Not determined		
	Evaporation rate	Not determined		
	Flammability (solid, gas)	Not determined		
	Upper/lower flammability or explosive limits - %(V)	Not determined		
	Vapour Pressure	Not determined		
	Vapour density	Not determined		
	Relative density	Not determined		
	Solubility in / Miscibility with water	Not determined		
	Partition coefficient: n-octanol/water	Not determined		
	Auto-ignition temperature (°C)	Not determined		
	Decomposition temperature (°C)	Not determined		
	Viscosity	Not determined		
	Explosive properties	Not determined		
	Oxidising properties	Not determined		
9.2	Other information			
	VOC Content g/l:	Not determined		
	Specific Gravity (g/cm3)	1.320		

10. Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

- **10.3 Possibility of hazardous reactions** Hazardous polymerisation does not occur.
- **10.4 Conditions to avoid** No Information
- **10.5** Incompatible materials Keep away from oxidising agents, strongly acid or alkaline materials, as well as of amines, alcohols and water.

10.6 Hazardous decomposition products No Information

11. Toxicological Information

11.1 Information on toxicological effects

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Acute Toxicity:	
Oral LD50:	No information available.
Inhalation LC50:	No information available.
Irritation:	No information available.
Corrosivity:	No information available.
Sensitization:	No information available.
Repeated dose toxicity:	No information available.
Carcinogenicity:	No information available.
Mutagenicity:	No information available.
Toxicity for reproduction:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Aspiration hazard:	No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50	Gas LC50	Dust/Mist LC50
1330-20-7	Xylene	3523 mg/kg, rat, oral	12126 mg/kg, rabbitt	5000 ppm/4 hrs rat, inhalation	0.000	0.000
13463-67-7	titanium dioxide	10000 mg/kg, oral (rat)			0.000	6,82 mg/l (rat) 4h

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64742-47-8	Distillates (petroleum), hydrotreated light	>5000mg/kg, rat			0.000	0.000
64742-88-7	Solvent naphtha (petroleum), medium aliph.	>2000 mg/kg, oral, rat	>2000 mg/kg, rabbit		0.000	0.000
100-41-4	Ethylbenzene	3500 mg/kg rat, oral	5510 mg/kg, rabbit	4000 ppm, rat, 4h	0.000	0.000
4098-71-9	3-Isocyanatomethyl-3,5,5- trimethylcyclohexyl-isocyanate	5490 mg/kg oral, rat		40 mg/m3 inhalation, rat (4 hour)	0.000	0.000

Additional Information:

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems. This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

12. Ecological Information

12.1	Toxicity:	
	EC50 48hr (Daphnia):	No information
	IC50 72hr (Algae):	No information
	LC50 96hr (fish):	No information
12.2	Persistence and degradability:	No information
12.3	Bioaccumulative potential:	No information
12.4	Mobility in soil:	No information
12.5	Results of PBT and vPvB assessment:	The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.
12.6	Other adverse effects:	No information

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CAS-No.	Chemical Name	

<u>CAS-No.</u>	Chemical Name	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
1317-65-3	limestone	No information	No information	
1305-78-8	calcium oxide	No information	No information	
1330-20-7	Xylene	3.82 mg/l	No information	24-30 mg/l, minnow
13463-67-7	titanium dioxide	>100 mg/l (EC50, 48h, Daphnia magna OECD202)ation	No information	>1000 mg/l
64742-47-8	Distillates (petroleum), hydrotreated light	No information	No information	
64742-88-7	Solvent naphtha (petroleum), medium aliph.	No information	No information	
100-41-4	Ethylbenzene	1.37 mg/l	No information	32 mg/l (Bluegill)
4098-71-9	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl- isocyanate	27 mg/l	No information	>72 mg/l
55406-53-6	3-iodo-2-propynylbutylcarbamate	No information	No information	
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	No information	No information	

13. Disposal Considerations

13.1 WASTE TREATMENT METHODS: If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

14.1	UN number	Not applicable
14.2	UN proper shipping name	Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations.
	Technical name	Not applicable
14.3	Transport hazard class(es)	Not applicable
	Subsidiary shipping hazard	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	Not applicable
	EmS-No.:	Not applicable
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not applicable

15. Regulatory Information

^{15.1} Safety, health and environmental regulations/legislation for the substance or mixture:

U.S. Federal Regulations: As follows -

CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the U.S. Superfund Amendment and Reauthorization Act (SARA) of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>%</u>
Xylene	1330-20-7	2.5
Ethylbenzene	100-41-4	0.5

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

Chemical Name

CAS-No.

No Chemical Name Found

111-84-2

U.S. Clean Air Act:

EPA Coating Category:	Not applicable
EPA VOC Content Limit (g/l):	Not determined
Product VOC Content (g/l)	110
Thinning Recommendations:	Not applicable
Application Recommendations:	Not applicable

* As per the federal EPA definition for coating categories in 40 CFR 59.401.

** Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
Non-hazardous, supplier trade secret	unknown
No Chemical Name Found	

Pennsylvania Right-To-Know

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	<u>CAS-No.</u>
Non-hazardous, supplier trade secret	unknown
No Chemical Name Found	

California Proposition 65:

WARNING: Cancer - www.P65Warnings.ca.gov

WARNING: Reproductive Toxicant -- www.P65Warnings.ca.gov

International Regulations: As follows -

* Canadian DSL:

All chemical ingredients included on inventory or exempt.

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225	Highly flammable liquid and vapour.
H226 H302	Flammable liquid and vapour. Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Reasons for revision

Substance and/or Product Properties Changed in Section(s):

- 02 Hazard Identification
- 03 Composition/Information On Ingredients
- 08 Exposure Controls/Personal Protection
- 09 Physical and Chemical Properties
- 15 Regulatory Information

Revision Statement(s) Changed

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit

ppm	Parts per million
mg/m3	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as
	modified by the Protocol of 1978
IBC	International Bulk Container
RTI	Respiratory Tract Irritation
NE	Narcotic Effects
IMO	International Maritime Organization
Note P:	The classification as a carcinogen or mutagen need not apply; the substance
	contains less than 0,1 % w/w benzene
Note 10:	The classification as a carcinogen by inhalation applies only to mixtures in
	powder form containing 1 % or more of titanium dioxide which is in the form of
	or incorporated in particles with aerodynamic diameter \leq 10 µm.

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.

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