

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name:

Product. No:

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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

1.1.1 Trade name/designation:

Novus Plastic Polish #2

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

1.2.1 Relevant identified uses:

Fine Scratch Remover

1.2.2 Uses advised against:

1.3 Details of the supplier

1.3.1 Supplier:

Novus, INC.

1.3.2 E-Mail

Msd-info@novusglass.com

1.3.3 U.S. Address

Novus, Inc.

12800 Highway 13 South, Suite 500

Savage, MN 55378

1.3.4 European Address

Novus Europe

Zinkstraat 53A

4823 Breda AC

The Netherlands

1.4 Emergency Telephone Number

U.S. Emergency Phone:

1-800-420-8036 (in use)

1-800-424-9300 (ChemTrec) 24 hours

1-703-527-3887 (ChemTrec International) 24 hours

European Emergency Phone: 31-76-5426000

+703-527-3887 (ChemTrec International) (in transport)

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

2.1.2 Classification according to 67/548/EEC or 1999/45/EC

This product would be classified as follows as defined by the European Community Council Directive 67/548/EEC and subsequent Directives.

Hazard Classification: Xi

Risk Phrases: R36/38

2.1.3 Additional information:

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) No 1272/2008

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Mixtures:

Hazard pictograms:

Signal word:

Hazard statements:

Precautionary statements:

Supplemental Hazard information (EU):

2.3 Other hazards

Adverse physicochemical effects:

Adverse human health effects and symptoms:

Adverse environmental effects:

Other adverse hazards:

Section 3: Composition/information on ingredients

3.1 Description of the mixture:

CAS No	EC No	% [weight]	Name	Classification according to 67/548/EEC
14464-46-1	238-455-4	1.0-5.0	Crystalline Silicas	Not Applicable
14808-60-7	238-878-4	0.1-1.0		
63148-62-9	Unlisted	4 – 8	Polydimethyl Siloxane	Not Applicable
110-91-8	203-815-1	1.0-5.0	Morpholine	F, Xn, C, R10, R20/21/22, R34
112-80-1	204-007-1	1.0-5.0	Oleic Acid	Not Applicable
68855-54-9	272-489-0	5.0-10.0	Amorphous Silicas	Not Applicable
61790-53-2	310-127-6	1.0-5.0	Diatomaceous Earths	Not Applicable
64742-48-9	265-450-3	7.0-13.0	Odorless Mineral Spirits	Xi, R36/38
-		Balance	Water and other components. Each of the other components is present in less than 1% concentration (or 0.1% for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)	Not Applicable

Section 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 General information:

Contaminated individuals should be taken for medical attention if they feel unwell or if adverse effects occur. Take copy of label and MSDS to physician or health professional with contaminated individual.

4.1.2 Eye contact:

If this product enters the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Do not interrupt flushing. Contaminated individual must seek medical attention.

4.1.3 Inhalation:

If this product is inhaled, remove contaminated individual to fresh air.

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4.1.4 Skin contact:

If this material contaminates the skin, begin decontamination with running water. Recommended flushing is for 15 minutes if any sign of skin irritation develops. Contaminated individual should seek immediate medical attention if any adverse exposure symptoms develop.

4.1.5 Ingestion:

If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directed by medical personnel. If victim is conscious, rinse their mouth with water immediately. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration.

4.1.6 Notes for the doctor:

Treat symptoms and eliminate over exposure.

4.2 Medical conditions aggravated by exposure:

Skin disorders, respiratory conditions, and central nervous system conditions may be aggravated by prolonged overexposure to this product.

Section 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Water spray, Carbon Dioxide, Foam, Dry Chemical, Halon, any "ABD" Class

5.1.2 Unsuitable extinguishing media:

None

5.2 Special hazards arising from the substance or mixture

5.2.1 Hazardous combustion products:

Silicon compounds, nitrogen oxides, carbon dioxide, and carbon monoxide

5.3 Advice for fire-fighters:

As with all chemical products, structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment when responding to fires involving this product.

5.4 Additional information:

This product must be substantially preheated before ignition to occur. When involved in a fire, this material may decompose and produce irritating vapors and toxic gases (including silicon compounds, nitrogen oxides, carbon dioxide, and carbon monoxide).

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment:

Wear neoprene or other chemically resistant gloves for incidental releases

6.1.2 For emergency responders

Personal protective equipment:

Gloves, goggles, and appropriate body protection. An air-purifying respirator with an organic vapor cartridge must be worn during spill responses in which excessive vapors are generated or if the area of the release is poorly ventilated.

6.2 Environmental precautions:

No Data

6.3 Methods and material for containment and cleaning up

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6.3.1 For containment:

Absorb spilled liquid with polypads or other suitable absorbent materials.

6.3.2 For cleaning up:

Decontaminate the area thoroughly. Place all spill residue in an appropriate container and seal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of European Member States (see Section 13, Disposal Considerations).

Section 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Protective measures:

7.1.1.1 Fire preventions:

7.1.1.2 Environmental precautions:

7.1.2 Advice on general occupational hygiene

As with all chemicals, avoid getting this product IN YOU. Wash thoroughly after using this material. Avoid breathing vapor. Do not eat, smoke, apply cosmetics, or drink while handling this material. If this product is used in a manner that can create residual dust from the product (such as application of product with a mechanical polishing wheel), adequate respiratory protection from possible crystalline dust must be used.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store this product in a cool, dry location, away from direct sunlight, sources of intense heat. Store away from incompatible chemicals (see Section 10, Stability and Reactivity). Inspect all incoming containers before storage to ensure they are properly labeled and not damaged.

Storage class:

Further information on storage conditions:

All employees who handle this material should be trained to handle it safely. Open bottles carefully. Empty containers may contain residual material and should be handled with care.

7.3 Specific end uses:

7.3.1 Recommendations:

This product is used for vehicle windscreen repair. Follow all industry standards for use of this product.

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No	Limit value	Monitoring and observation processes
MAK (AU) TWA (BE) TWA (FI) VME (FR) MAK (DE)	Crystalline Silica	238-455-4 238-878-4	14464-46-1 14808-60-7	0.15 mg/m ³ 0.1 mg/m ³ 0.2 mg/m ³ 10/(X+2) 0.15 mg/m ³	

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MAC-TGG (NLD) TWA (NO) TWA (NO) STEL (RUS) NGV (SE) MAK-W (CH)				0.075 mg/m3 0.1 mg/m3 0.3 mg/m3 14 mg/m3 0.1 mg/m3 0.15 mg/m3	Resp. dust Total dust Resp. dust
MAK (AU) MAK (DE) TWA (NO) MAK-W (CH) TWA (TH) TWA (UK) TWA (UK)	Diatomaceous Earth	310-127-6	61790-53-2	4 mg/m3 4 mg/m3 1.5 mg/m3 4 mg/m3 80 mg/m3 6 mg/m3 12 mg/m3	Resp. Dust Total Dust Resp. Dust
MAK(AU) TWA(BE) STEL(BE) TWA(DK) TWA(FI) STEL(FI) VME(FR) VLE(FR) MAK(DE) STEL(HU) TWA(NO) TWA(PL) STEL(PL) TWA(RUS) STEL(RUS) NGV(SE) KTV(SE) MAK-W(CH) KZG-W(CH) TWA(UK) STEL(UK)	Morpholine	203-815-1	110-91-8	20 ppm 20 ppm 30 ppm 20 ppm 20 ppm 30 ppm 20 ppm 30 ppm 20 ppm 10 ppm 20 ppm 70 mg/m3 100 mg/m3 0.5 mg/m3 1.5 mg/m3 20 ppm 30 ppm 20 ppm 40 ppm 20 ppm 30 ppm	Skin Skin Skin Skin Skin Skin Skin Skin Skin Skin Skin Skin Skin Skin Skin

Chemical Name	CAS #	Exposure Limits in Air								Other
		ACGIH – TLV		OSHA-PEL		NIOSH				
		TWA Mg/m3	STEL Mg/m3	TWA Mg/m3	STEL Mg/m3	TWA Mg/m3	STEL Mg/m3	IDLH Mg/m3		
Crystalline Silicas	14808-60-7 14464-46-1	0.05 (res) NIC = 0.025 (res)	NE	30 (TD) 10 (res)		0.05 (res)	NE	NE	DFG MAK: Res Carcinogen: IARC-1, MAK-1, NIOSH-Ca, NTP-K, TLV-A2	
Odorless Mineral Spirits	64742-48-9	NE	NE	NE	NE	NE	NE	NE	Novus Inc. Recommendation TWA=500 ppm	
Amorphous Silicas/Diatomaceous Earths	68855-54-9 61790-53-2	10(inhalable) 3 (Respirable)		80 6 (Vacated 1989 PEL)		6	NE	3000	DFG MAK: TWA=0.3 (res) 4 (inh) DFG MAK Pregnancy Risk Group: C Carcinogen: IARD-3	
Polydimethyl Siloxane	63148-62-9	NE	NE	NE	NE	NE	NE	NE	NE	

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Morpholine	110-91-8	71 (skin)	Skin	70 (skin)	Skin	70 (skin)	105 (skin)	1400 ppm (Based on LEL)	DFG MAKs: TA=36 PEAK = 2 MAK 15 min., Momentary value, 1-hr interval Carcinogen: IARC-3, TLV- A4
Oleic Acid	112-80-1	NE	NE	NE	NE	NE	NE	NE	NE
Water and other components. Each of the other components is present in less than 1% concentration (or 0.1 % concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens).		None of the other components of this product contribute significant, additional, hazards at the concentrations present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, Canadian Workplace hazardous materials Identification System Standards (CPR 4) and European Community Standards (Commission Directive 93/112/EEC).							

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

None normally needed under typical circumstances of use. Local exhaust may be necessary under some usage and handling situations. Prudent practice is to ensure eye wash/safety shower stations are available near areas where this product is used.

8.2.2 Personal protective equipment:

8.2.2.1 Eye/Face protection:

Splash goggles or safety glasses may be worn if operations can generate mists of this product. If necessary, refer to U.S. OSHA 29 CFR 1910.133, or the European Standard EN166 for further information.

8.2.2.2 Skin protection:

Hand: Natural rubber, neoprene, or nitrile rubber gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, and the European Standard DIN EN 374.

Body: None normally needed under typical circumstances of use. If necessary, use body protection appropriate for task (e.g. Tyvek suit, rubber apron). If necessary, refer appropriate Standards of Canada, the European Standard CEN/TR 15419:2006 for further information. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use protection as described in U.S. OSHA 29 CFR 1910.136 Canadian CSA Standard Z195-M1984, Protective Footwear.

8.2.2.3 Respiratory protection:

None normally needed under typical circumstances of use. Maintain airborne contaminant concentrations below guidelines listed above if applicable. If respiratory protection is needed, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), or equivalent U.S. State standards, or the European Standard EN149, and standards of EC member states. An air-purifying respirator with an organic vapor cartridge is recommended for situations in which excessive vapors are generated or during operations in poorly ventilated areas. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-face piece pressure/demand SCBA or a full face piece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998). If use of this product creates residual dust, the following NIOSH respiratory protection guidelines should be used.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Physical state: Liquid Color: Opaque, tan Odor: Slight Solvent odor Odor threshold:

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9.1.2 Safety relevant basic data

pH (20 °C): Not Established

Melting point/range(°C): Not Established

Initial boiling point/range (°C): 80 C

Decomposition temperature (°C): Not Established

Flash point (°C): >93.3 C

Ignition temperature (°C): Not Established

Vapor pressure (mm Hg) at 50°C: < 75

Vapor density (air = 1): > 1.0

Density (g/cm3)at °C: Not Established

Bulk density (kg/m3): Not Established

Water solubility (20°C in g/l): Soluble

Solubility(ies): Not Established

Partition coefficient: Not Established

N-Octanol/Water (log Po/w): Not Established

Viscosity, dynamic (mPa s): Not Established

9.1.3 Physical hazards:

Flammable liquids

9.2 Other safety information:

Properties of explosive atmospheres (mixtures):

Gases and vapors: Not Established

Dusts: Not Established

Physical chemical properties of nanoparticles: Not Established

Limiting oxygen concentration: Not Established

Bulk density: Not Established

Solubility in different media: Not Established

Stability in organic solvents and identity of relevant degradation products: Not Established

Evaporation rate: Not Established

Conductivity: Not Established

Surface tension: Not Established

Dissociation constant in water (pKa): Not Established

Oxidation-reduction Potential: Not Established

Fat solubility (solvent – oil to be specified): Not Established

Critical temperature: Not Established

Section 10: Stability and reactivity

10.1 Reactivity: N/A

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions

Will not occur

10.4 Conditions to avoid:

Contact with incompatible chemicals, exposure to elevated temperatures

10.5 Incompatible materials:

Strong oxidizers

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10.6 Hazardous decomposition products:

The products of thermal decomposition of this material include irritating vapors and toxic gases (e.g. silicon oxides, nitrogen oxides, carbon dioxide, carbon monoxide).

Section 11: Toxicological Information

11.1 Information on toxicological effects:

MORPHOLINE	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	1450 mg/kg	Rat	LD ₅₀	
Acute dermal toxicity	500 µL/kg	Rabbit	LD ₅₀	
Acute inhalative toxicity (gas)	8000 ppm	Rat	LC ₅₀	8 hours
Acute inhalative toxicity (vapor)				
Acute inhalative toxicity (dust/mist)				

Oleic Acid	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	74 g/kg	Rat	LD ₅₀	
Acute dermal toxicity	500 mg	Rabbit	Open irritation Test	
Acute inhalative toxicity (gas)				
Acute inhalative toxicity (vapor)				
Acute inhalative toxicity (dust/mist)				

Polydimethylsiloxane	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	>50 mL/kg	Rat	LD	
Acute dermal toxicity	>20 mL/kg	Rabbit	LD	
Acute inhalative toxicity (gas)	>978 mg/m ³	Rabbit	LC	7.5 hours
Acute inhalative toxicity (vapor)				
Acute inhalative toxicity (dust/mist)				

Diatomaceous Earth: No toxicology data are available for this component of the product.

Odorless Mineral Spirits: No toxicology data are available for this component of the product.

11.2 Other information:

11.2.1 Assessment/classification

11.2.2 Routes of exposure:

The most significant routes of occupational overexposure are inhalation of vapors and contact with skin and eyes. The symptoms of overexposure to this product are as follows:

11.2.3 In case of ingestion:

Ingestion is not anticipated to be a likely route of exposure to this product. If this material is swallowed, it may cause headache, nausea, and vomiting. Aspiration of this liquid may cause life-threatening lung damage.

11.2.3 In case of skin contact:

Skin absorption is a potential route of exposure for the Morpholine component of this product. Skin contact can cause reddening, discomfort, and irritation. Symptoms are generally alleviated upon rinsing.

11.2.4 In case of inhalation:

Inhalation is not anticipated to be a significant route of overexposure to this product. If mists of this product are inhaled, they can irritate the nose and other tissues of the upper respiratory system. If high concentrations of vapors of this product are inhaled (as may occur if this material is used in a poorly

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ventilated area), symptoms of central nervous system depression may occur (e.g., headaches, dizziness, nausea). Symptoms are generally alleviated upon breathing fresh air. This product may contain Crystalline Silica, which is known to cause cancer by inhalation. If this product is used in a manner that creates dust (such as application of product with a mechanical polishing wheel), use of respiratory protection is required.

11.2.5 In case of eye contact:

Depending on the duration and concentration of overexposure, eye contact can cause irritation and reddening.

Section 12: Ecological information

12.1 Toxicity:

Aquatic toxicity

This product is not anticipated to have significant, adverse effects on aquatic plants and animals.

12.1.1 Substances

Acute (short-term) toxicity

Effect dose	Exposure time	Species	Method	Evaluation	Remark
530 mg/l	24 hours	Lepomis macrochirus	LC50	Morpholine	
100 mg/L	24 hours	Straus Crustacean	EC50	Morpholine	
Effect dose	Exposure time	Species	Method	Evaluation	Remark
205 mg/L	96 hours	Fathead Minnow	LC50	Oleic Acid	

Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/packaging disposal:

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada or EC Member States. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority. Empty containers, as defined by appropriate sections of RCRA, are not RCRA hazardous wastes. Insure proper management of any residuals remaining in containers.

13.1.2 Waste codes/waste designations according to EWC/AVV:

EPA: Not applicable to wastes consisting of only this product.

Section 14: Transport Information

14.1 Land transport (CFR 49: DOT)

This product is not hazardous as defined by 49CFR 172.101 by the U.S. Department of Transportation

UN-No: Not Applicable

Proper shipping name: Not Regulated

Class(es): Not Applicable

Classification Code: Not Applicable

Packing group: Not Applicable

Hazard label(s): Not Applicable

Special provision(s): Not Applicable

14.2 Land transport (ADR/RID/GGVSE):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

UN-No: Not Applicable

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Proper shipping name: Not Regulated

Class(es): Not Applicable

Classification Code: Not Applicable

Packing group: Not Applicable

Hazard label(s): Not Applicable

Special provision(s): Not Applicable

14.3 Sea transport (IMDG-Code/GGVSee):

This product is not classified as dangerous goods by the IMO

UN No: Not Applicable

Proper shipping name: Not Regulated

Class(es): Not Applicable

Packing group: Not Applicable

Marine Pollutant: Not Applicable

Special provision(s): Not Applicable

14.4 Air transport (ICAO-IATA/DGR):

This product is not classified as dangerous goods by the International Air Transport Association (IATA) or the ICAO

UN No: Not Applicable

Proper shipping name: Not Regulated

Class(es): Not Applicable

Packing group: Not Applicable

Special provision(s): Not Applicable

Section 15: Regulatory Information

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

15.1.1 National regulations(U.S.):

U.S. SARA Reporting Requirements: The components of this product are NOT subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA Threshold Planning Quantity: There are not specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity (RQ): Not applicable

Other U.S. Federal Regulations: Not applicable.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): No component of this product is on the California Proposition 65 lists.

U.S. ANSI Standard Labeling (Z129.1): CAUTION! May cause skin and eye irritation. May cause central nervous system effects. Aspiration hazard – May cause Life-threatening lung damage if swallowed. Contains suspect carcinogen. Risk of cancer depends on concentration and duration of contact. Do not taste or swallow. Do not get on skin or in eyes. Avoid breathing vapor or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Wear gloves and eye protection.

First-Aid: In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. If inhaled, remove to fresh air. If ingested, do not induce vomiting and get medical attention. Get medical attention if any adverse reaction occurs.

In Case of Fire: Use water fog, dry chemical, CO₂, or “alcohol” foam.

In Case of Spill: Absorb spill with inert material and place in suitable container. Consult Material Safety Data Sheet for additional information.

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15.1.2 National regulations(Canada):

Canadian DSL Inventory: The components of this product are listed on the DSL Inventory.

Canadian WHMIS IDL Disclosure Status: The Amorphous Silica/ Diatomaceous Earth Crystalline Silica, Morpholine and Oleic components of this product have a disclosure level of 1%.

Other Canadian Regulations: Not Applicable

Canadian Environmental Protection Agency (CEPA) Priority Substances Lists: The components of this product are not on the Priority Substances Lists.

Canadian WHMIS Classification and Symbols: Class D2B (Materials Causing Other Toxic Effects)



15.1.3 National regulations(European Community):

For Product

Based on the data provided in Council Directive 67/548/EEC, the following classification is applicable for the product:

EU Hazard Classification: Xi: Irritant

EU Risk Phrases: R36/38: Irritating to skin and eyes. Due to the fact that Mineral Spirits component contains less than 0.1% benzene or other aromatic, R45 is not assigned. Due to the high viscosity of this product, R65 is not assigned.

EU Safety Phrases: [S: ½-]: Keep out of reach of children. (This safety phrase can be omitted from the label when the substance or preparation is sold for industrial use only.) [S: 9]: Keep container in a well-ventilated place. [S: 23]: Do not breathe fumes, vapor or spray. [S: 24/25]: Avoid contact with the skin and eyes. [S: 26]: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. [S: 28]: After contact with skin, wash immediately with plenty of water. [S:36]: Wear suitable protective clothing. [S:45]: In case of accident, or if you feel unwell, seek medical advice immediately (show the label if possible).

EU Annex II Hazard Symbol:



For Components:

Crystalline Silica: An official classification for this substance has not been published in Commission Directives 93/72EEC, 94/69/EC, 96/56/EC, or 98/98/EC.

DIATOMACEOUS EARTH: An official classification for this substance has not been published in Commission Directives 93/72EEC, 94/69/EC, 96/56/EC, or 98/98/EC.

OLEIC ACID: An official classification for this substance has not been published in Commission Directives 93/72EEC, 94/69/EC, 96/56/EC, or 98/98/EC.

POLYDIMETHYLSILOXANE: An official classification for this substance has not been published in Commission Directives 93/72EEC, 94/69/EC, 96/56/EC, or 98/98/EC.

MORPHOLINE: HAZARD CLASSIFICATION: [F] Flammable; [Xn] Harmful, [C] Corrosive
RISK PHRASES: [R: 10]: Flammable. [R: 20/21/22]: Harmful by inhalation, in contact with skin and if swallowed. [R: 34]: Causes burns. SAFETY PHRASES: [S: ½-]: Keep out of reach of children. (This safety phrase can be omitted from the label when the substance or preparation is sold for industrial use only.) [S: 23]: Do not breathe fumes, vapor or spray. [S:36]: Wear suitable protective clothing. [S:45]: In case of accident, or if you feel unwell, seek medical advice immediately (show the label if possible). AT CONCENTRATIONS GREATER THAN OR EQUAL TO 25%: HAZARD CLASSIFICATION: [C] Corrosive RISK PHRASES: [R: 34]:

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Causes burns. [R: 20/21/22]: Harmful by inhalation, in contact with skin and if swallowed. AT CONCENTRATIONS EQUAL TO OR MORE THAN 10% AND LESS THAN 25%: HAZARD CLASSIFICATION: [C] Corrosive RISK PHRASES: [R: 34]: Causes burns. AT CONCENTRATIONS EQUAL TO OR MORE THAN 1% AND LESS THAN 10%: HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: [R: 36/38]: Irritating to eyes and skin. **ODORLESS MINERAL SPIRITS:** HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: [R: 36/38]: Irritating to skin and eyes. SAFETY PHRASES: [S: 45]: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). [S: 53]: Avoid exposure – Obtain special instructions before use. AT CONCENTRATIONS GREATER THAN OR EQUAL TO 10%: HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: [R: 36/38]: Irritating to skin and eyes. AT CONCENTRATIONS EQUAL TO OR MORE THAN 0.1% AND LESS THAN 10%: HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: [R: 36/38]: Irritating to skin and eyes.

INTERNATIONAL CHEMICAL INVENTORY LISTING FOR COMPONENTS:

EUROPEAN EINECS: The following components are on the EINECS Inventory: CRYSTALLINE SILICA EINECS #: 238-878-4, AMORPHOUS SILICA: EINECS # 272-489-0, MORPHOLINE: EINECS # 203-815-1, ODORLESS MINERAL SPIRITS: EINECS #: 265-150-3, OLEIC ACID: EINECS # 204-007-1
JAPANESE ENCS: The following components are on the ENCS Inventory: CRYSTALLINE SILICA ENCS #: 1-548X, MORPHOLINE: ENCS # 5-859, POLYDIMETHYLSILOXANE: ENCS # 7-476X, OLEIC ACID: ENCS # 2-975

KOREAN KECI: The following components are on the ECL Inventory: AMORPHOUS SILICA: ECL Serial # KE-21796, CRYSTALLINE SILICA KE-29983, DIATOMACEOUS EARTH: ECL Serial # KE-21794, MORPHOLINE: ECL Serial # KE-33492, POLYDIMETHYLSILOXANE: ECL Serial # KE-31068, ODORLESS MINERAL SPIRITS: ECL Serial # KE-25622 OLEIC ACID: ECL Serial # KE-26450

SWISS GIFTLISTE 1: The following components are on the SWISS Giftliste: DIATOMACEOUS EARTH: List of Toxic Substances 1, # G-7871, MORPHOLINE: List of Toxic Substances 3: Acute Oral Lethal Dose of 50-500 mg/kg, Swiss # G-2552, OLEIC ACID: List of Toxic Substances 1, Swiss # G-3700

US. TSCA INVENTORY: All components are on the TSCA Inventory.

Section 16: Other Information

The Material Safety Data Sheet is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use and determine whether they are appropriate.