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SAFETY DATA SHEET - PART I - Prepared in accordance with the Regulation on Safety Data Sheets Related to Harmful Substances and Mixtures (OG: 13.12.2014, 29204).

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / DISTRIBUTOR

1.1 Identification of the substance / mixture

Trade name: TEQFEEL AMD MI

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

Use of the Substance/Mixture : cosmetics

1.3 Information from the supplier of the safety data sheet

Company : Kale Kimya Kimyevi Maddeler A.Ş Esentepe Mah. Milangaz Cad. Vizyon Bulvar No : 77/A
34870 Kartal-İstanbul / Turkey

Telephone : +90 216 458 07 70

E-mail address : info@kalekimya.com

1.4 Emergency telephone number

National Poison Information Center: 114

Emergency Health Services: 112

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2 H315: Causes skin irritation.

Serious eye damage, Category 1

Acute toxicity, Category 4

H318: Causes serious eye damage.

H332: Harmful if inhaled

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

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Signal word : Danger

Hazard statements :

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

:

Prevention:

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection .

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if pre-sent and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

Storage:

P403 Store in a well-ventilated place.

Dimethyl, methyl(aminoethylaminoisobutyl) siloxane, trimethylsiloxy-terminated Alcohols, C11-15-secondary, Ethoxylated.

2.3 Other hazards

Non known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature : Silicone emulsion

Hazardous components

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Chemical name	CAS No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Dimethyl, methyl(aminoethylaminoisobutyl) siloxane, trimethylsiloxy-terminated	106842-44-8	Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 10 - < 20
Alcohols, C11-15-secondary, Ethoxylated	68131-40-8	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
Alpha-(C12-C14 Alkyl) omega-Hydroxy PolyethyleneGlycol	68439-50-9 500-213-3	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
Ethoxylated branched C11-14, C13-rich alcohols	78330-21-9	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 2.5

For explanation of abbreviations see section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.

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

Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.

If inhaled : If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Get medical attention.

Wash clothing before reuse.

Thoroughly clean shoes before reuse.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

If easy to do, remove contact lens, if worn.

Get medical attention immediately.

If swallowed : If swallowed, DO NOT induce vomiting.

Get medical attention if symptoms occur.

Rinse mouth thoroughly with water.

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4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes skin irritation.

Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Water spray

Alcohol-resistant foam

Carbon dioxide (CO₂)

Dry chemical

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during

- fire-fighting

Hazardous combustion

products

:

:

Exposure to combustion products may be a hazard to health.

Carbon oxides

Silicon oxides

Nitrogen

oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters

: In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

Specific extinguishing methods

: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.

Do not allow extinguishing medium to contact container contents.

Most fire extinguishing media will cause hydrogen evolution, and once the fire is put out, may accumulate in poorly ventilated or confined areas and result in flash fire or explosion if ignited.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. 01.11.2019
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

Environmental precautions : Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material.
For large spills, provide dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent.
Materials in contact with water, moisture, acids or bases have the potential to generate hydrogen gas.
Recovered material should be stored in a vented container.
Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
Recovered material should be stored in a vented container. The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over- pressurization of the container

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation : Use only with adequate ventilation.
Advice on safe handling : Do not get on skin or clothing.
Avoid inhalation of vapour or mist.
Do not swallow.
Do not get in eyes.
Handle in accordance with good industrial hygiene and safety

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practice.

Keep container tightly closed.

Keep away from water.

Protect from moisture.

Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Keep in properly labelled containers. Store in original container. Store in a closed container. Keep tightly closed. Store in accordance with the particular national regulations. Product may evolve minute quantities of flammable hydrogen gas which can accumulate. Adequately ventilate to maintain vapors well below flammability limits and exposure guidelines. Do not repackage. Clogged container vents may increase pressure build up.

Advice on common storage : Do not store with the following product types: Strong oxidizing agents

Packaging material : Unsuitable material: Do not store in or use containers except the original product package.

7.3 Specific end use(s)

Specific use(s) These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Glycerine	56-81-5	TWA (Mist)	10 mg/m ³	GB EH40
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Polyol	Workers	Inhalation	Long-term local effects	56 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	229 mg/kg bw/day
	Consumers	Inhalation	Long-term local effects	33 mg/m ³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

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Substance name	Environmental Compartment	Value
Polyethylene glycol sorbitan monolaurate	Fresh water	0.2 mg/l
	Marine water	0.02 mg/l
	Intermittent use/release	0.239 mg/l
	Fresh water sediment	1.141 mg/kg
	Marine sediment	1000 mg/kg
Polyol	Fresh water	0.885 mg/l
	Marine water	0.0885 mg/l
	Intermittent use/release	8.85 mg/l
	Sewage treatment plant	1000 mg/l
	Fresh water sediment	3.3 mg/kg
	Marine sediment	0.33 mg/kg
	Soil	0.141 mg/kg

8.2 Exposure controls

Engineering measures

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

Personal protective equipment

Eye protection : Wear the following personal protective equipment:

Chemical resistant goggles must be worn.

If splashes are likely to occur, wear:

Face-shield

Hand protection

Material : Chemical-resistant gloves

Remarks : Choose gloves to protect hands against chemicals depending

on the concentration and quantity of the hazardous

substance and specific to place of work. Breakthrough time is

not determined for the product. Change gloves often! For

special applications, we recommend clarifying the resistance

to chemicals of the aforementioned protective gloves with the

glove manufacturer. Wash hands before breaks and at the

end of workday.

Skin and body protection : Select appropriate protective clothing based on chemical

resistance data and an assessment of the local exposure

potential.

Skin contact must be avoided by using impervious protective

clothing (gloves, aprons, boots, etc).

Respiratory protection : Use respiratory protection unless adequate local exhaust

ventilation is provided or exposure assessment demonstrates

that exposures are within recommended exposure guidelines.

Filter type : Particulates type (P)

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : translucent

Odour : slight

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling

range

: 100 °C

Flash point : 100 °C

Method: closed cup

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Upper explosion limit / Upper

flammability limit: No data available

Lower explosion limit / Lower

flammability limit: No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : 1

Solubility(ies)

Water solubility : No data available

Partition coefficient: noctanol/water: No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, kinematic : 100 mm²/s (25 °C)

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Molecular weight : No data available

Self-ignition : The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not classified as a reactivity hazard..

10.2 Chemical stability

Stable under normal conditions.

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10.3 Possibility of hazardous reactions

Hazardous reactions : Use at elevated temperatures may form highly hazardous compounds.

Can react with strong oxidizing agents.

Product may evolve flammable hydrogen gas on contact with water, alcohols, acidic or basic materials, many metals or metallic compounds and can form explosive mixtures in air.

Hazardous decomposition products will be formed at elevated temperatures.

10.4 Conditions to avoid

Conditions to avoid : None known

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition : Formaldehyde

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely

routes of exposure: Inhalation

Skin contact

Ingestion

Eye contact

Acute toxicity

Harmful if inhaled.

Product:

Acute oral toxicity :

Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Acute inhalation

toxicity: Acute toxicity estimate: 1.05 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Calculation method

Components:

Dimethyl, methyl(aminoethylaminoisobutyl) siloxane, trimethylsiloxy-terminated:

Acute oral toxicity :LD50 (Rat): > 8,000 mg/kg

Assessment: The substance or mixture has no acute oral toxicity

Remarks: On basis of test data.

Alcohols, C11-15-secondary, Ethoxylated:

Acute inhalation toxicity : LC50 (Rat): 0.204 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Remarks: On basis of test data.

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Acute oral toxicity
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test
Guideline 402
Remarks: Based on
data from similar
materials : LD50 (Rat): 1,800 mg/kg
Remarks: Based on data from similar
materials
LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402
Remarks: Based on data from similar

Alpha-(C12-C14 Alkyl) omega-Hydroxy PolyethyleneGlycol:

Acute oral toxicity : LD50 (Rat): > 500 - 2,000 mg/kg Remarks: Based on data from
:
similar materials

Acute inhalation toxicity LC50 (Rat): > 1.6 mg/l :
Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Based on data from similar materials

Acute dermal toxicity
LD50 (Rat): > 2,000 mg/kg
Remarks: Based on data from similar materials

Ethoxylated branched C11-14, C13-rich alcohols:

Acute oral toxicity
Acute toxicity estimate: 500 mg/kg Method: Expert judgement

Skin corrosion/irritation
Causes skin irritation

Components:
Dimethyl, methyl(aminoethylaminoisobutyl) siloxane, trimethylsiloxy-terminated:
Species: Rabbit Result: Skin irritation
Remarks: On basis of test data.

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Alcohols, C11-15-secondary, Ethoxylated:

Result: Skin irritation

Remarks: Based on data from similar materials

Alpha-(C12-C14 Alkyl) omega-Hydroxy PolyethyleneGlycol:

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

Ethoxylated branched C11-14, C13-rich alcohols:

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Dimethyl, methyl(aminoethylaminoisobutyl) siloxane, trimethylsiloxy-terminated:

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days Remarks: On basis of test data.

Alcohols, C11-15-secondary, Ethoxylated: Result: Irreversible effects on the eye Remarks: Based on data from similar materials

Alpha-(C12-C14 Alkyl) omega-Hydroxy PolyethyleneGlycol:

Species: Rabbit

Result: Irreversible effects on the eye Remarks: Based on data from similar materials

Ethoxylated branched C11-14, C13-rich alcohols:

Result: Irreversible effects on the eye Remarks: Based on data from similar materials

Respiratory or skin sensitisation Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information

Components:

Dimethyl, methyl(aminoethylaminoisobutyl) siloxane, trimethylsiloxy-terminated:

Assessment: Does not cause skin sensitisation.

Test Type: Maximisation Test Species: Guinea pig

Result: negative

Remarks: On basis of test data.

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Alcohols, C11-15-secondary, Ethoxylated:
Exposure routes: Skin contact Species: Guinea pig
Result: negative
Remarks: Based on data from similar materials

Alpha-(C12-C14 Alkyl) omega-Hydroxy PolyethyleneGlycol:
Test Type: Maximisation Test Exposure routes: Skin contact Species: Guinea pig
Method: OECD Test Guideline 406 Result: negative
Remarks: Based on data from similar materials

Ethoxylated branched C11-14, C13-rich alcohols: Test Type: Human repeat insult patch test (HRIPT) Exposure routes: Skin contact
Result: negative
Remarks: Based on data from similar materials

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Components:
Dimethyl, methyl(aminoethylaminoisobutyl) siloxane, trimethylsiloxy-terminated:

Toxicity to daphnia and other aquatic invertebrates

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:EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l Exposure time: 48 h

Alcohols, C11-15-secondary, Ethoxylated:

Toxicity to fish

LC50 (Pimephales promelas (fathead minnow)): 3.2 - 3.6 mg/l

Exposure time: 96 h

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 7.3 mg/l Exposure time: 48 h

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic NOEC: > 0.1 - 1 mg/l invertebrates (Chron-ic toxicity) Exposure
time: 21 d

Species: Daphnia magna (Water flea) Remarks: Based on data from similar materials

Alpha-(C12-C14 Alkyl) omega-Hydroxy PolyethyleneGlycol:

Toxicity to fish LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l Exposure time: 96 h

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Exposure time: 48 h

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

NOEC: > 0.1 - 1 mg/l

Exposure time: 21 d

Species: Daphnia magna (Water flea) Remarks: Based on data from similar materials

Ethoxylated branched C11-14, C13-rich alcohols:

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 5.6 mg/l Exposure time: 96 h

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l
Exposure time: 48 h

Remarks: Based on data from similar materials

Toxicity to algae : EC50 : > 1 - 10 mg/l

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Exposure time: 96 h

Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC: > 0.33 mg/l

Exposure time: 30 d

Species: Lepomis macrochirus (Bluegill sunfish)

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.77 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

Remarks: Based on data from similar materials

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations. Waste incineration or disposal with the approval of the responsible local authority..

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

ADN : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

Remarks : VENTED PACKAGES ARE FORBIDDEN FOR AIR TRANSPORT.

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IATA (Passenger) : Not regulated as a dangerous good
Remarks : VENTED PACKAGES ARE FORBIDDEN FOR AIR TRANSPORT.

14.5 Environmental hazards
Not regulated as a dangerous good

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This product contains only components. No warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

SECTION 16. OTHER INFORMATION

Full text of H-Statements

H302 : Harmful if swallowed.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Eye Dam. : Serious eye damage
Skin Irrit. : Skin irritation

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This (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves

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