

Material Safety Data Sheet



GOJO® Skin Lotion

Version 1.0 Revision Date: 03/30/2015 MSDS Number: 71040-00001 Date of last issue: -
Date of first issue: 03/30/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GOJO® Skin Lotion

Manufacturer or supplier's details

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500
Akron OH 44311

Telephone : 1 (330) 255-6000

Emergency telephone : 1-800-424-9300 CHEMTREC

Recommended use of the chemical and restrictions on use

Recommended use : Skin-care

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

| DANGER | |
|----------------|---|
| Appearance | cream |
| Color | white, opaque, off-white |
| Odor | floral |
| Hazard Summary | Corrosive Possible birth defect hazard |

WHMIS Regulatory status : This product, material or substance is a WHMIS controlled product per Sections 33 - 66, Part IV of the CPR.

Potential Health Effects

Inhalation : No significant effects expected from a single short-term expo-

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|----------------|------------------------------|-----------------------------|--|
| Version 1.0 | Revision Date: 03/30/2015 | MSDS Number: 71040-00001 | Date of last issue: - Date of first issue: 03/30/2015 |
|----------------|------------------------------|-----------------------------|--|

sure.

Skin : No significant irritation expected from a single short-term exposure.

Eyes : Causes eye burns.
May cause permanent eye injury.

Ingestion : No significant effects expected from a single short-term exposure.

Chronic Exposure : May cause birth defects.

Aggravated Medical Condition : None known.

Carcinogenicity:
IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

| Chemical Name | CAS-No. | Concentration (%) |
|--|------------|--------------------|
| Dimethyldioctadecylammonium chloride | 107-64-2 | ≥ 5 - < 10 |
| cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride | 51229-78-8 | ≥ 0.1 - < 1 |

SECTION 4. 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.

If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.
Get medical attention if symptoms occur.

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

GOJO® Skin Lotion

| | | | |
|----------------|------------------------------|-----------------------------|--|
| Version 1.0 | Revision Date: 03/30/2015 | MSDS Number: 71040-00001 | Date of last issue: - Date of first issue: 03/30/2015 |
|----------------|------------------------------|-----------------------------|--|

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| | 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. |
| 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. |
| Notes to physician | : Treat symptomatically and supportively. |

SECTION 5. FIRE-FIGHTING MEASURES

| | |
|--|---|
| Suitable extinguishing media | : Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂) |
| Unsuitable extinguishing media | : None known. |
| Specific hazards during fire fighting | : Exposure to combustion products may be a hazard to health. |
| Hazardous combustion products | : Carbon oxides Nitrogen oxides (NO _x) Chlorine compounds |
| Specific extinguishing methods | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area. |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations. |
| 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. |

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

Methods and materials for containment and cleaning up : Soak up with inert absorbent material.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Avoid inhalation of vapor or mist.
Do not swallow.
Do not get in eyes.
Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice.
Keep container tightly closed.
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.
Keep tightly closed.
Store in accordance with the particular national regulations.

Materials to avoid : Do not store with the following product types:
Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Ingredients | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-------------|-----------|----------------------------------|---|-----------|
| Petrolatum | 8009-03-8 | TWA (Mist) | 1 mg/m ³ | CA BC OEL |
| | | TWA (Mist) | 5 mg/m ³ | CA AB OEL |
| | | STEL (Mist) | 10 mg/m ³ | CA AB OEL |
| | | TWAEV (Mist) | 5 mg/m ³ | CA QC OEL |

Material Safety Data Sheet



GOJO® Skin Lotion

Version 1.0 Revision Date: 03/30/2015 MSDS Number: 71040-00001 Date of last issue: -
Date of first issue: 03/30/2015

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|-----------|---------|--------------------------|----------|-----------|
| | | STEV (Mist) | 10 mg/m3 | CA QC OEL |
| | | TWA (Inhalable fraction) | 5 mg/m3 | ACGIH |
| Glycerine | 56-81-5 | TWA | 10 mg/m3 | CA BC OEL |
| | | TWA (Respirable) | 3 mg/m3 | CA BC OEL |
| | | TWA (Mist) | 10 mg/m3 | CA BC OEL |
| | | TWA (Mist) | 10 mg/m3 | CA AB OEL |
| | | TWAEV (Mist) | 10 mg/m3 | CA QC OEL |
| | | TWA (Respirable mist) | 3 mg/m3 | CA BC OEL |

Engineering measures : Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.

Personal protective equipment

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 : Combined particulates and organic vapor type

Hand protection
Material : Impervious gloves

Remarks : Choose gloves to protect hands against chemicals depending on the concentration 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.

Eye protection : Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield

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

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|----------------|------------------------------|-----------------------------|--|
| Version 1.0 | Revision Date: 03/30/2015 | MSDS Number: 71040-00001 | Date of last issue: - Date of first issue: 03/30/2015 |
|----------------|------------------------------|-----------------------------|--|

clothing (gloves, aprons, boots, etc).

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance | : cream |
| Color | : white, opaque, off-white |
| Odor | : floral |
| Odor Threshold | : No data available |
| pH | : 4.5 - 9.0 |
| Melting point/freezing point | : No data available |
| Initial boiling point and boiling range | : No data available |
| Flash point | : > 100 °C |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density | : No data available |
| Density | : 0.9930 g/cm ³ |
| Solubility(ies) Water solubility | : soluble |
| Partition coefficient: n-octanol/water | : Not applicable |
| Autoignition temperature | : No data available |
| Decomposition temperature | : The substance or mixture is not classified self-reactive. |
| Viscosity Viscosity, kinematic | : 3,000 - 60,000 mm ² /s (20 °C) |

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

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| Explosive properties | : Not explosive |
| Oxidizing properties | : The substance or mixture is not classified as oxidizing. |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity | : Not classified as a reactivity hazard. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : Can react with strong oxidizing agents. |
| Conditions to avoid | : None known. |
| Incompatible materials | : Oxidizing agents |
| Hazardous decomposition products | : No hazardous decomposition products are known. |

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Ingredients:

Dimethyldioctadecylammonium chloride:

| | |
|-----------------------|--|
| Acute oral toxicity | : LD50 (Rat): > 2,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity |
| Acute dermal toxicity | : LD50 (Rat): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity |

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 (Rat): 1,552 mg/kg |
| Acute inhalation toxicity | : LC50 (Rat): > 5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity |
| Acute dermal toxicity | : LD50 (Rabbit): 923 mg/kg |

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: No skin irritation

GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

Ingredients:

Dimethyldioctadecylammonium chloride:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Result: Skin irritation

Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Serious eye damage/eye irritation

Causes eye burns.

Ingredients:

Dimethyldioctadecylammonium chloride:

Species: Rabbit

Result: Irreversible effects on the eye

Method: OECD Test Guideline 405

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Result: Irritation to eyes, reversing within 21 days

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Product:

Assessment: Does not cause skin sensitization.

Ingredients:

Dimethyldioctadecylammonium chloride:

Test Type: Maximization Test (GPMT)

Routes of exposure: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

Remarks: Based on data from similar materials

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Assessment: Probability or evidence of skin sensitization in humans

Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Germ cell mutagenicity

Not classified based on available information.

Ingredients:

Dimethyldioctadecylammonium chloride:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Result: negative

Remarks: Based on data from similar materials

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

May cause birth defects.

Ingredients:

Dimethyldioctadecylammonium chloride:

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening test
Species: Rat
Application Route: Ingestion
Result: negative

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: Ingestion
Result: positive

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Ingredients:

Dimethyldioctadecylammonium chloride:

Species: Rat
NOAEL: 100 mg/kg
Application Route: Ingestion
Exposure time: 28 d

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

Dimethyldioctadecylammonium chloride:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 21.3 mg/l
Exposure time: 95 h

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.16 mg/l
Exposure time: 48 h

Toxicity to algae : NOEC (Selenastrum capricornutum (fresh water algae)): 0.062 mg/l
Exposure time: 5 d

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 0.23 mg/l
Exposure time: 33 d
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.38 mg/l
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 1

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 26 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 25.8 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 1.54 mg/l
Exposure time: 72 h

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.63 mg/l
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 19.8 mg/l
Exposure time: 21 d

Toxicity to bacteria : IC50: 1,870 mg/l
Exposure time: 3 h

Persistence and degradability

Ingredients:

Dimethyldioctadecylammonium chloride:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 5 %
Exposure time: 28 d
Remarks: Based on data from similar materials

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 51 %

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

Exposure time: 28 d
Method: OECD Test Guideline 301F

Bioaccumulative potential

Ingredients:

Dimethyldioctadecylammonium chloride:

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 13

Partition coefficient: n-octanol/water : log Pow: 3.8

cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride:

Partition coefficient: n-octanol/water : log Pow: 1.89

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Dimethyldioctadecylammonium chloride)
Class : 9
Packing group : III
Labels : 9

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Dimethyldioctadecylammonium chloride)
Class : 9

Material Safety Data Sheet



GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Dimethyldioctadecylammonium chloride)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

TDG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Dimethyldioctadecylammonium chloride)
Class : 9
Packing group : III
Labels : 9
ERG Code : 171
Marine pollutant : yes (Dimethyldioctadecylammonium chloride)

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : D2A: Very Toxic Material Causing Other Toxic Effects
E: Corrosive Material

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

The ingredients of this product are reported in the following inventories:

REACH : All ingredients (pre-)registered or exempt.
TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
AICS : All ingredients listed or exempt.

GOJO® Skin Lotion

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: - |
| 1.0 | 03/30/2015 | 71040-00001 | Date of first issue: 03/30/2015 |

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

| | |
|--------------------|---|
| ACGIH | : USA. ACGIH Threshold Limit Values (TLV) |
| CA AB OEL | : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| CA BC OEL | : Canada. British Columbia OEL |
| CA QC OEL | : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| ACGIH / TWA | : 8-hour, time-weighted average |
| CA AB OEL / TWA | : 8-hour Occupational exposure limit |
| CA AB OEL / STEL | : 15-minute occupational exposure limit |
| CA BC OEL / TWA | : 8-hour time weighted average |
| CA QC OEL / TWA EV | : Time-weighted average exposure value |
| CA QC OEL / STEV | : Short-term exposure value |

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| Sources of key data used to compile the Material Safety Data Sheet | : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/ |
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

CA / Z8