		Page: 1
<b>SAFETY DATA SHEET</b>		Revision Date: 02/16/2023
		Print Date: 03/16/2023
		SDS Number: 000000122656
Praestol™ A 3040 LA FLOCCULANT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 672667		Version: 3.0

## SECTION 1. IDENTIFICATION

### Product identifier

Trade name : Praestol™ A 3040 LA FLOCCULANT  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries

### Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Industrial chemical


<b>Details of the supplier of the safety data sheet</b> Solenis LLC 500 Hercules Road Wilmington, Delaware 19808 United States of America (USA)  EHSProductSafetyTeam@solenis.com	<b>Emergency telephone number</b> 1-844-SOLENIS (844-765-3647)  <b>Product Information</b> Contact your local Solenis representative
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## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye irritation : Category 2A

### GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.  
  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**SAFETY DATA SHEET**

Revision Date: 02/16/2023

Print Date: 03/16/2023

SDS Number: 000000122656

Version: 3.0

Praestol™ A 3040 LA FLOCCULANT  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 672667

P337 + P313 If eye irritation persists: Get medical advice/  
 attention.

**Other hazards**

Material can create slippery conditions.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture  
 Chemical nature : Static Accumulator

**Components**

Chemical name	CAS-No.	Classification	Concentration (%)
ALIPHATIC HYDROCARBON	Trade Secret	Flam. Liq. 4; H227 Asp. Tox. 1; H304	>= 20 - < 30
ALKOXYLATED FATTY ALCOHOL	Trade Secret	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 1 - < 1.5

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.


If inhaled : If breathed in, move person into fresh air.  
 If unconscious, place in recovery position and seek medical  
 advice.  
 If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is  
 recommended that exposed areas be cleaned by washing  
 with soap and water.

In case of eye contact : Immediately flush eye(s) with plenty of water.  
 Remove contact lenses.  
 Protect unharmed eye.

If swallowed : Do not give milk or alcoholic beverages.  
 Never give anything by mouth to an unconscious person.  
 If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : Signs and symptoms of exposure to this material through  
 breathing, swallowing, and/or passage of the material through  
 the skin may include:  
 stomach or intestinal upset (nausea, vomiting, diarrhea)

		Page: 3
<b>SAFETY DATA SHEET</b>		Revision Date: 02/16/2023
		Print Date: 03/16/2023
		SDS Number: 000000122656
Praesto™ A 3040 LA FLOCCULANT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 672667		Version: 3.0


irritation (nose, throat, airways)  
Lung irritation  
confusion  
irregular heartbeat  
Convulsions  
Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.  
This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.  
Causes serious eye irritation.

Notes to physician : No hazards which require special first aid measures.

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## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrocarbons
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Material can create slippery conditions.  
Water may cause extremely slippery conditions.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

		Page: 4
<b>SAFETY DATA SHEET</b>		Revision Date: 02/16/2023
		Print Date: 03/16/2023
		SDS Number: 000000122656
Praestol™ A 3040 LA FLOCCULANT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 672667		Version: 3.0

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Material can create slippery conditions. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations.

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Do not flush with water.

For small spills, quickly contain and remove the spilled material using absorbent pads, socks, kitty litter, sawdust etc, then appropriately dispose. Do not leave absorbents to sit overnight, as they will become hard and difficult to remove. The remaining residue or film can be treated with dilute caustic (2%) or dilute liquid bleach (2–5%), allowed to soak for up to one hour, and clean with warm water (between 49C – 54C (120F – 130 F)) or flushed to a sewer using high volumes of water taking into account local guidelines. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

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## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Avoid spillage on floor as the product can become very slippery. Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**SAFETY DATA SHEET**

Revision Date: 02/16/2023

Print Date: 03/16/2023

SDS Number: 000000122656

Version: 3.0

Praestol™ A 3040 LA FLOCCULANT  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 672667

Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ALIPHATIC HYDROCARBON	Trade Secret	TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Personal protective equipment**

## Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Wear as appropriate:  
 Impervious clothing  
 Safety shoes  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Wash hands before breaks and at the end of workday.  
 When using do not eat or drink.  
 When using do not smoke.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : viscous

Colour : white, milky

**SAFETY DATA SHEET**

Revision Date: 02/16/2023

Print Date: 03/16/2023

SDS Number: 000000122656

Version: 3.0

Praesto™ A 3040 LA FLOCCULANT  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 672667

Odour : mild, hydrocarbon-like

Odour Threshold : No data available

pH : 6 - 8

Melting point/freezing point : -0.40 °F / -18 °C

Boiling point/boiling range : No data available

Flash point : > 200.1 °F / > 93.4 °C

Evaporation rate : < 1

Flammability (solid, gas) : No data available

Self-ignition : No data available

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 : ca. 1

Density : ca. 1.05 g/cm<sup>3</sup>

Solubility(ies)

    Water solubility : No data available

    Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Decomposition temperature : No data available

Viscosity

    Viscosity, dynamic : No data available

    Viscosity, kinematic : > 21 mm<sup>2</sup>/s (104 °F / 40 °C)

Oxidizing properties : No data available

**SAFETY DATA SHEET**

Revision Date: 02/16/2023

Print Date: 03/16/2023

SDS Number: 000000122656

Version: 3.0

Praesto™ A 3040 LA FLOCCULANT  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 672667

Particle size : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : oxidizers  
 Strong acids  
 Strong bases  
 Strong oxidizing agents  
 strong reducing agents

Hazardous decomposition products : Carbon monoxide  
 Carbon dioxide (CO<sub>2</sub>)  
 Nitrogen oxides (NO<sub>x</sub>)  
 Hydrocarbons

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**SECTION 11. TOXICOLOGICAL INFORMATION**
**Acute toxicity**

Not classified based on available information.

**Components:**
**ALIPHATIC HYDROCARBON:**


Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC 50 (Rat, male and female): > 5.28 mg/l  
 Exposure time: 4 h  
 Test atmosphere: vapour  
 Method: OECD Test Guideline 403  
 Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
 Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**ALKOXYLATED FATTY ALCOHOL:**

Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 4.

	Page: 8
<b>SAFETY DATA SHEET</b>	Revision Date: 02/16/2023
	Print Date: 03/16/2023
	SDS Number: 000000122656
Praesto™ A 3040 LA FLOCCULANT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 672667	Version: 3.0

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Remarks : May cause skin irritation in susceptible persons.

**Components:**

**ALIPHATIC HYDROCARBON:**

Result : Mildly irritating to skin

**ALKOXYLATED FATTY ALCOHOL:**

Result : Not irritating to skin

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.  
Causes serious eye irritation.

**Components:**

**ALIPHATIC HYDROCARBON:**

Result : Mildly irritating to eyes

**ALKOXYLATED FATTY ALCOHOL:**

Result : Corrosive to eyes

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.


**Carcinogenicity**

Not classified based on available information.

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

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.



		Page: 9
<b>SAFETY DATA SHEET</b>		Revision Date: 02/16/2023
		Print Date: 03/16/2023
		SDS Number: 000000122656
Praesto™ A 3040 LA FLOCCULANT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 672667		Version: 3.0

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**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.

**Product:**

No aspiration toxicity classification

**Components:**

**ALIPHATIC HYDROCARBON:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**Further information**

**Product:**

Remarks : No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 16.53 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 4.55 mg/l  
aquatic invertebrates : Exposure time: 48 h  
Test Type: static test

**Ecotoxicology Assessment**

Acute aquatic toxicity : Acute aquatic toxicity Category 2; Toxic to aquatic life.

Chronic aquatic toxicity : Not classified based on available information.

**SAFETY DATA SHEET**

Revision Date: 02/16/2023

Print Date: 03/16/2023

SDS Number: 000000122656

Version: 3.0

Praestol™ A 3040 LA FLOCCULANT  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 672667

**Components:**

**ALIPHATIC HYDROCARBON:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : No toxicity at the limit of solubility

Chronic aquatic toxicity : No toxicity at the limit of solubility

**Persistence and degradability**

**Product:**

Biodegradability : Result: Readily biodegradable.  
 Remarks: Readily biodegradable

**Components:**

**ALKOXYLATED FATTY ALCOHOL:**

Biodegradability : Result: Readily biodegradable.  
 Biodegradation: > 90 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301E  
 Remarks: Information given is based on data obtained from similar substances.

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
 Toxic to aquatic life.


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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
 Do not contaminate ponds, waterways or ditches with chemical or used container.  
 Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and federal regulations.

		Page: 11
<b>SAFETY DATA SHEET</b>		Revision Date: 02/16/2023
		Print Date: 03/16/2023
		SDS Number: 000000122656
Praesto™ A 3040 LA FLOCCULANT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 672667		Version: 3.0

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

Not regulated as a dangerous good

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Serious eye damage or eye irritation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment performed on the product as delivered and when used as intended.

### The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

**SAFETY DATA SHEET**

Revision Date: 02/16/2023

Print Date: 03/16/2023

SDS Number: 000000122656

Version: 3.0

 Praesto™ A 3040 LA FLOCCULANT  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 672667

AIIC : On the inventory, or in compliance with the inventory  
 DSL : All components of this product are on the Canadian DSL  
 ENCS : Not in compliance with the inventory  
 KECI : On the inventory, or in compliance with the inventory  
 PICCS : On the inventory, or in compliance with the inventory  
 IECSC : On the inventory, or in compliance with the inventory  
 NZIOC : On the inventory, or in compliance with the inventory

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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**SECTION 16. OTHER INFORMATION**
**Further information**

Revision Date : 02/16/2023


**Full text of H-Statements**

H227 : Combustible liquid.  
 H302 : Harmful if swallowed.  
 H304 : May be fatal if swallowed and enters airways.  
 H318 : Causes serious eye damage.

**Full text of other abbreviations**

Acute Tox. : Acute toxicity  
 Asp. Tox. : Aspiration hazard  
 Eye Dam. : Serious eye damage  
 Flam. Liq. : Flammable liquids  
 ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
 ACGIH / TWA : 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous

 Strong bonds. Trusted solutions.	Page: 13
<b>SAFETY DATA SHEET</b>	Revision Date: 02/16/2023
	Print Date: 03/16/2023
	SDS Number: 000000122656
Praestol™ A 3040 LA FLOCCULANT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 672667	Version: 3.0

Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet

Key literature references and sources of data

SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

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