

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 09/19/2022

SDS Number: 000000257704

Version: 3.1

Amerscent™ OC4525 ODOR CONTROL AGENT  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
863072

**SECTION 1. IDENTIFICATION****Product identifier**

Trade name

: Amerscent™ OC4525  
ODOR CONTROL AGENT  
™ 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 : Neutralizing agent.

<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 2B

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H320 Causes eye irritation.  
H335 May cause respiratory irritation.Precautionary statements : **Prevention:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.

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

**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 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

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

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Classification	Concentration (%)
CALCIUM NITRATE TETRAHYDRATE	13477-34-4	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 70 - < 80
ALKYLAMINE	Trade Secret	Acute Tox. 4; H302 Acute Tox. 2; H330 Eye Irrit. 2A; H319 Skin Sens. 1; H317 STOT RE 1; H372	>= 1.5 - < 5

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
 Call a POISON CENTRE or doctor/physician if exposed or you feel unwell.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.

If inhaled : Move to fresh air.  
 IF INHALED: Call a POISON CENTER/ doctor if you feel

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- unwell.  
 Keep patient warm and at rest.  
 If unconscious, place in recovery position and seek medical advice.
- 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 : IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
 Rinse mouth with water.  
 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 : Causes eye irritation.  
 May cause respiratory irritation.  
 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)  
 irritation (nose, throat, airways)
- Notes to physician : No hazards which require special first aid measures.

## 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 : 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>)
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

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Further information : Standard procedure for chemical fires.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |                                                                     |                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Ensure adequate ventilation.<br>Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.<br>Comply with all applicable federal, state, and local regulations. |
| Environmental precautions                                           | : Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.                                                                                                               |
| Methods and materials for containment and cleaning up               | : 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 formation of aerosol.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Do not breathe vapours/dust.<br>Do not smoke.<br>Container hazardous when empty.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>Smoking, eating and drinking should be prohibited in the application area.<br>For personal protection see section 8.<br>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.<br>Observe label precautions.<br>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

Contains no substances with occupational exposure limit values.

#### 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

#### Respiratory protection

- : A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.
- In the case of vapour formation use a respirator with an approved filter.

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

#### Hygiene measures

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

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

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Odour	:	No data available
Odour Threshold	:	No data available
pH	:	6.5 - 7.1
Melting point/freezing point	:	-25 °F / -32 °C
Initial boiling point and boiling range	:	212 - 370 °F / 100 - 188 °C
Flash point	:	No data available
Evaporation rate	:	No data available
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	:	No data available
Density	:	10.5 - 12.0 lb/gal
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	:	50 - 200 cps (70 °F / 21 °C)
Viscosity, kinematic	:	No data available
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

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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.
- Incompatible materials : Strong acids  
Strong oxidizing agents
- Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

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

Not classified based on available information.

**Product:**

- Acute oral toxicity : Acute toxicity estimate: 4,608 mg/kg  
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate: 9.28 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

**Components:****CALCIUM NITRATE TETRAHYDRATE:**

- Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 4.
- Acute dermal toxicity : LD<sub>50</sub> (Rat): > 2,000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.  
Remarks: Information given is based on data obtained from similar substances.

**ALKYLAMINE:**

- Acute oral toxicity : LD<sub>50</sub> (Rat, male and female): 1,000 mg/kg  
Method: OECD Test Guideline 401

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Acute inhalation toxicity : LC 50 (Rat, male and female): 0.371 mg/l  
 Exposure time: 4 h  
 Test atmosphere: dust/mist  
 Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 4 g/kg

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Result : Slightly irritating to skin  
 Remarks : May cause skin irritation in susceptible persons.

#### Components:

##### CALCIUM NITRATE TETRAHYDRATE:

Species : Rabbit  
 Result : Not irritating to skin  
 Remarks : Information given is based on data obtained from similar substances.

##### ALKYLAMINE:

Result : Not irritating to skin

### Serious eye damage/eye irritation

Causes eye irritation.

#### Product:

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

#### Components:

##### CALCIUM NITRATE TETRAHYDRATE:

Species : Rabbit  
 Result : Risk of serious damage to eyes.  
 Method : OECD Test Guideline 405  
 GLP : yes

##### ALKYLAMINE:

Species : Rabbit  
 Result : Irritating to eyes  
 Method : OECD Test Guideline 405

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**Respiratory or skin sensitisation****Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Product:****Components:****CALCIUM NITRATE TETRAHYDRATE:**

Test Type : Local lymph node assay (LLNA)  
Species : Mouse  
Method : OECD Test Guideline 429  
Remarks : Information given is based on data obtained from similar substances.

**ALKYLAMINE:**

Species : Guinea pig

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****CALCIUM NITRATE TETRAHYDRATE:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Result: negative  
Remarks: Information given is based on data obtained from similar substances.

**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.

**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.

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### STOT - single exposure

May cause respiratory irritation.

#### Product:

Exposure routes	:	Inhalation
Target Organs	:	Gastrointestinal tract, Respiratory Tract
Assessment	:	May cause respiratory irritation.

### STOT - repeated exposure

Not classified based on available information.

#### Components:

#### ALKYLAMINE:

Assessment	:	Causes damage to organs through prolonged or repeated exposure.
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### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks	:	No data available
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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish	:	(Pimephales promelas (fathead minnow)): > 750 mg/l Exposure time: 48 h GLP: no
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(Pimephales promelas (fathead minnow)): > 750 mg/l Exposure time: 96 h GLP: no
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Toxicity to daphnia and other aquatic invertebrates	:	(Ceriodaphnia dubia (water flea)): 2,480 mg/l Exposure time: 48 h
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(Daphnia magna (Water flea)): 3,820 mg/l Exposure time: 48 h
-----------------------------------------------------------------

### Ecotoxicology Assessment

Acute aquatic toxicity	:	Not classified based on available information.
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Ceriodaphnia dubia (48h) and Fathead Minnow (96h) effluent studies have been performed according to EPA-821-R-02-012 guidance (McCoy&McCoy Laboratories Inc March 4, 2019,
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workorder 9031274). The effluent tested exhibited inadequate survival of C. dubia, but exhibited adequate survival of F. Minnow 96h acute definitive test according to their discharge permit and the EPA manual for conducting toxicity tests.

Chronic aquatic toxicity : Not classified based on available information.

### Components:

#### **CALCIUM NITRATE TETRAHYDRATE:**

Toxicity to fish : NOEC (Oncorhynchus mykiss (rainbow trout)): 96.6 mg/l  
 Exposure time: 96 h  
 Test Type: static test  
 Method: OECD Test Guideline 203  
 Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 490 mg/l  
 Exposure time: 48 h  
 Method: OECD Test Guideline 202  
 Remarks: Information given is based on data obtained from similar substances.

### **Persistence and degradability**

#### Components:

#### **CALCIUM NITRATE TETRAHYDRATE:**

Biodegradability : Result: The methods for determining biodegradability are not applicable to inorganic substances.

#### **ALKYLAMINE:**

Biodegradability : Remarks: Readily biodegradable

### **Bioaccumulative potential**

#### Components:

#### **ALKYLAMINE:**

Partition coefficient: n-octanol/water : log Pow: 0.071

### **Mobility in soil**

No data available

### **Other adverse effects**

#### Product:

Additional ecological information : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- Waste from residues : Do not dispose of waste into sewer.  
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.
- 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****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

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**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**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** : Specific target organ toxicity (single or repeated exposure)  
Serious eye damage or eye irritation

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

CALCIUM	13477-34-4	75 %
NITRATE		
TETRAHYDRAT		
E		

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: On the inventory, or in compliance with the inventory
AICS	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or 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

**TSCA list**

No substances are subject to a Significant New Use Rule.

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:  
**ALKYLAMINE** Trade Secret

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

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## Full text of H-Statements

H302	: Harmful if swallowed.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H330	: Fatal if inhaled.
H372	: Causes damage to organs through prolonged or repeated exposure.

## Full text of other abbreviations

Acute Tox.	: Acute toxicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure

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 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

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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.

US / EN