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## SECTION 1. IDENTIFICATION

### Product identifier

Trade name : Amersep™ 5320  
 NEUTRALIZING AGENT  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries

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

<b>Details of the supplier of the safety data sheet</b> Solenis LLC 500 Hercules Road Wilmington, Delaware 19808 United States of America (USA)  RegulatoryRequestsNA@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 29 CFR 1910.1200


Acute toxicity (Oral) : Category 4  
 Skin corrosion : Category 1  
 Serious eye damage : Category 1  
 Reproductive toxicity : Category 2  
 Specific target organ toxicity : Category 3 (Central nervous system)  
 - single exposure

### GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H336 May cause drowsiness or dizziness.  
 H361 Suspected of damaging fertility or the unborn child.

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Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.

**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

**Hazardous components**


Chemical name	CAS-No.	Classification	Concentration (%)
FERRIC SULFATE	10028-22-5	Acute Tox. 4; H302 Repr. 2; H361 STOT SE 3; H336	>= 40 - < 50
SULFURIC ACID	7664-93-9	Met. Corr. 1; H290	>= 1.5 - < 3

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		Skin Corr. 1; H314 Eye Dam. 1; H318	
--	--	--	--

#### SECTION 4. FIRST AID MEASURES

- |   |   |
|---|---|
| General advice  | : Move out of dangerous area.<br>Consult a physician.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.  |
| If inhaled  | : Move to fresh air.<br>Keep patient warm and at rest.<br>If unconscious, place in recovery position and seek medical advice.<br>Consult a physician after significant exposure.  |
| In case of skin contact                                     | : If on skin, rinse well with water.<br>Wash contaminated clothing before re-use.   |
| In case of eye contact                                      | : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Protect unharmed eye.   |
| If swallowed  | : Get medical attention immediately.<br>Do NOT induce vomiting.<br>Rinse mouth with water.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.  |
| Most important symptoms and effects, both acute and delayed | : Iron poisoning typically occurs in four stages: 1) (up to 6 hours post-ingestion) gastroenteritis possibly resulting in hypovolemia and acidosis or shock; 2) (6-12 hours post-ingestion) resolution of gastrointestinal symptoms during which the patient appears to recover; 3) continued hypotension and acidosis with liver, and possibly other organ, dysfunction or failure; 4) healing of the gastrointestinal tract with possible complications, including scarring and obstruction.<br>Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:<br>stomach or intestinal upset (nausea, vomiting, diarrhea)<br>irritation (nose, throat, airways)<br>Cough<br>choking<br>cyanosis (causes blue coloring of the skin and nails from lack of oxygen)<br>lung edema (fluid buildup in the lung tissue) |

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Difficulty in breathing  
 Harmful if swallowed.  
 Causes serious eye damage.  
 May cause drowsiness or dizziness.  
 Suspected of damaging fertility or the unborn child.  
 Causes severe burns.

Notes to physician : Iron chelation with deferoxamine is indicated for serum iron levels over 350 ug/dL with evidence of toxicity, or over 500 ug/dL regardless of signs or symptoms of iron toxicity.

## 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 (CO2)  
 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 : sulfur oxides  
 toxic fumes  
 iron oxides  
 metal oxides  
 corrosive vapors

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


Further information : 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.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
 Ensure adequate ventilation.  
 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

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respective authorities.

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

## 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.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Do not breathe vapours/dust.  
 Do not smoke.  
 Container hazardous when empty.  
 Avoid exposure - obtain special instructions before use.  
 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.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
FERRIC SULFATE	10028-22-5	TWA	1 mg/m <sup>3</sup> (Iron)	ACGIH
		TWA	1 mg/m <sup>3</sup> (Iron)	OSHA P0
		TWA	1 mg/m <sup>3</sup> (Iron)	NIOSH REL
SULFURIC ACID	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m <sup>3</sup>	ACGIH
		TWA	1 mg/m <sup>3</sup>	NIOSH REL
		TWA	1 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1 mg/m <sup>3</sup>	OSHA P0

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**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** : In the case of vapour formation use a respirator with an approved filter.

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.

**Hand protection**

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

**Eye protection** : Safety glasses

**Skin and body protection** : Wear as appropriate:  
 Impervious clothing  
 Chemical resistant apron  
 Safety shoes  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Discard gloves that show tears, pinholes, or signs of wear.  
 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.  
 Ensure that eyewash stations and safety showers are close to the workstation location.  
 When using do not smoke.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : liquid

**Odour** : No data available


**Odour Threshold** : No data available

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pH	: 1.0 - 4.8
Melting point/freezing point	: No data available
Boiling point/boiling range	: 100 °C (1,013.333333 hPa) Calculated Phase Transition Liquid/Gas
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Self-ignition	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: 23.3333333 hPa (20 °C) Calculated Vapor Pressure
Relative vapour density	: No data available
Relative density	: No data available
Density	: Approximate 1.44 g/cm3
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	: No data available
Oxidizing properties	: No data available

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous	: Product will not undergo hazardous polymerization.

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reactions

Incompatible materials : Acid anhydrides  
 Acids  
 Alcohols  
 Aldehydes  
 Amines  
 Bases  
 carbide  
 carbonates  
 Combustible material  
 Copper  
 Cyanides  
 glycols  
 halogens  
 Metals  
 Organic materials  
 organic nitro compounds  
 Powdered metals  
 strong alkalis  
 Strong oxidizing agents  
 strong reducing agents  
 sulfides  
 sulphites  
 water

Hazardous decomposition products : **Sulphur compounds**  
**Sulphur oxides**  
**toxic fumes**  
**Metal oxides**  
**corrosive vapors**

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Harmful if swallowed.

#### **Product:**

Acute oral toxicity : Acute toxicity estimate: 1,017 mg/kg  
 Method: Calculation method


#### **Components:**

#### **FERRIC SULFATE:**

Acute oral toxicity : LD 50 (Rat, male and female): > 500 - < 2,000 mg/kg  
 Method: OECD Test Guideline 423  
 GLP: yes

Acute dermal toxicity : LD 50 (Rat, male and female): > 2 g/kg  
 Method: OECD Test Guideline 402  
 GLP: yes  
 Assessment: Not classified as acutely toxic by dermal



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absorption under GHS.

Remarks: Information given is based on data obtained from similar substances.

#### **SULFURIC ACID:**

Acute oral toxicity : LD 50 (Rat): 2,140 mg/kg

#### **Skin corrosion/irritation**

Causes severe burns.

#### **Product:**

Remarks: Causes severe skin burns and eye damage.

#### **Components:**

#### **FERRIC SULFATE:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: Not irritating to skin

GLP: yes

#### **SULFURIC ACID:**

Result: Corrosive to skin

#### **Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Product:**

Remarks: May cause irreversible eye damage.

#### **Components:**

#### **FERRIC SULFATE:**

Species: Rabbit

Result: Not irritating to eyes

Method: OECD Test Guideline 405

GLP: yes

Remarks: Based on a similar product formulation.

#### **SULFURIC ACID:**

Result: Corrosive to eyes


#### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

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### Components:

#### **FERRIC SULFATE:**

Test Type: Local lymph node assay

Species: Mouse

Method: OECD Test Guideline 429

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

#### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **FERRIC SULFATE:**

Genotoxicity in vitro

: Test Type: Ames test  
 Species: Salmonella typhimurium  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 471  
 Result: negative  
 Remarks: Information given is based on data obtained from similar substances.

: Test Type: Micronucleus test  
 Species: Chinese hamster lung cells  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 487  
 Result: negative  
 GLP: yes  
 Remarks: Information given is based on data obtained from similar substances.

Genotoxicity in vivo

: Test Type: Micronucleus test  
 Species: Mouse (female)  
 Result: negative  
 Remarks: Information given is based on data obtained from similar substances.

Test Type: Micronucleus test  
 Species: Mouse (female)  
 Result: negative  
 Remarks: Information given is based on data obtained from similar substances.

#### **Carcinogenicity**

Not classified based on available information.

#### **IARC**


Group 1: Carcinogenic to humans

sulphuric acid

7664-93-9

#### **OSHA**

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

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#### NTP

Known to be human carcinogen

sulphuric acid

7664-93-9

#### Reproductive toxicity

Suspected of damaging fertility or the unborn child.

#### Components:

##### FERRIC SULFATE:

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

#### STOT - single exposure

May cause drowsiness or dizziness.

#### Components:

##### FERRIC SULFATE:

Exposure routes: Ingestion  
 Target Organs: Central nervous system  
 Assessment: May cause drowsiness or dizziness.

#### STOT - repeated exposure

Not classified based on available information.

#### Aspiration toxicity

Not classified based on available information.

#### Further information

#### Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

#### Components:

##### SULFURIC ACID:


Remarks: Lung

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

#### Product:

Toxicity to fish : LC 50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
 Exposure time: 96 h  
 Test Type: flow-through test

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Analytical monitoring: yes  
 Method: OECD Test Guideline 203  
 GLP: Yes  
 Remarks: Based on similar product.

Toxicity to daphnia and other aquatic invertebrates : EC 50 (Daphnia longispina (water flea)): 11.5 mg/l  
 Exposure time: 48 h  
 Test Type: static test  
 Remarks: Based on similar product.

### Ecotoxicology Assessment

Acute aquatic toxicity : Acute aquatic toxicity Category 3; Harmful to aquatic life.

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

### Components:

#### **FERRIC SULFATE:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
 Exposure time: 96 h  
 Test Type: flow-through test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 203  
 GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia longispina (water flea)): 11.5 mg/l  
 Exposure time: 48 h  
 Test Type: static test  
 Remarks: Mortality


Toxicity to algae : EC50 (Green algae): ca. 20 mg/l  
 Exposure time: 72 h  
 Test Type: static test  
 Remarks: Information given is based on data obtained from similar substances.

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): > 1 mg/l  
 Exposure time: 33 d  
 Test Type: semi-static test  
 Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia (water flea)): > 1 mg/l  
 Exposure time: 21 d

#### **SULFURIC ACID:**

Toxicity to fish : LC 50 (Lepomis macrochirus (Bluegill sunfish)): > 28 mg/l  
 Exposure time: 96 h  
 Method: Static  
 Remarks: Mortality

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LC 50 (Lepomis macrochirus (Bluegill sunfish)): 16 - 28 mg/l  
 Exposure time: 96 h  
 Method: Static  
 Remarks: Mortality

Toxicity to daphnia and other aquatic invertebrates : EC 50 (Daphnia magna (Water flea)): > 100 mg/l  
 Exposure time: 48 h  
 Method: Static

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
 Exposure time: 72 h

#### Persistence and degradability

##### Components:

##### **FERRIC SULFATE:**

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


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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.

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 transport regulations

#### REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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#### IATA-DGR

UN	3264	Corrosive liquid, acidic, inorganic, n.o.s. (FERRIC SULFATE)	8	III	
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#### IMDG-Code

UN	3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (FERRIC SULFATE)	8	III	
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#### CFR

UN	3264	Corrosive liquid, acidic, inorganic, n.o.s. (FERRIC SULFATE)	8	III	
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\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	no
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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

## SECTION 15. REGULATORY INFORMATION

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

#### CERCLA Reportable Quantity


Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
FERRIC SULFATE	10028-22-5	1000	2053

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
SULFURIC ACID	7664-93-9	1000	49248

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

Components	CAS-No.	Component TPQ (lbs)
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SULFURIC ACID	7664-93-9	1000
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**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
 Skin corrosion or irritation  
 Serious eye damage or eye irritation  
 Reproductive toxicity  
 Specific target organ toxicity (single or repeated exposure)

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

SULFURIC ACID	7664-93-9	1 - 5 %
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#### California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

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

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

#### TSCA list

No substances are subject to a Significant New Use Rule.

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## SECTION 16. OTHER INFORMATION

#### Further information


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#### Full text of H-Statements

H290	: May be corrosive to metals.
H302	: Harmful if swallowed.
H314	: Causes severe skin burns and eye damage.
H318	: Causes serious eye damage.
H336	: May cause drowsiness or dizziness.
H361	: Suspected of damaging fertility or the unborn child.

#### Full text of other abbreviations

Acute Tox.	: Acute toxicity
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Eye Dam.	:	Serious eye damage
Met. Corr.	:	Corrosive to metals
Repr.	:	Reproductive toxicity
Skin Corr.	:	Skin corrosion
STOT SE	:	Specific target organ toxicity - single exposure

#### Further information

Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by the Solenis Environmental Health and Safety Department.

#### 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.

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; 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



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Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

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