

Derustit SS-3 Liquid

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 7/25/2024 Revision date: 9/12/2024 Supersedes: 8/9/2024 Version: 1.3

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Derustit SS-3 Liquid

1.2. Recommended use and restrictions on use

Recommended use : Stainless-steel cleaner
Restrictions on use : All other uses not recommended above

1.3. Supplier

Bradford Derustit Corp
P.O. Box 1194
Yorba Linda, California 92885
United States of America
T 714-695-0899
sales@derustit.com

1.4. Emergency telephone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 3103

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Oxidizing liquids Category 3	May intensify fire; oxidizer
Acute toxicity (oral) Category 4	Harmful if swallowed
Acute toxicity (dermal) Category 3	Toxic in contact with skin
Acute toxicity (inhalation:dust,mist) Category 4	Harmful if inhaled
Skin corrosion/irritation Category 1A	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	Causes serious eye damage
Carcinogenicity Category 1A	May cause cancer
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : May intensify fire; oxidizer
Harmful if swallowed or if inhaled
Toxic in contact with skin
Causes severe skin burns and eye damage
Causes serious eye damage

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Precautionary statements (GHS US)	<p>May cause respiratory irritation May cause cancer</p> <p>: Obtain special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>Keep/Store away from clothing and other combustible materials</p> <p>Take any precaution to avoid mixing with combustibles</p> <p>Do not breathe vapors, spray, mist, gas.</p> <p>Do not get in eyes, on skin, or on clothing.</p> <p>Wash hands, forearms and face thoroughly after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>IF exposed or concerned: Immediately call a POISON CENTER or doctor</p> <p>If swallowed: rinse mouth. Do NOT induce vomiting.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>Wash contaminated clothing before reuse.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>In case of fire: Use media other than water to extinguish.</p> <p>Store in a well-ventilated place. Keep container tightly closed.</p> <p>Store locked up.</p> <p>Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.</p>
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2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

8.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
43.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
43.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Sulfuric acid	CAS-No.: 7664-93-9	10 – 30	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 3, H412
Nitric Acid	CAS-No.: 7697-37-2	5 – 10	Ox. Liq. 2, H272 Met. Corr. 1, H290 Acute Tox. 1 (Inhalation), H330 Skin Corr. 1A, H314 Eye Dam. 1, H318

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Name	Product identifier	%	GHS US classification
Ammonium bifluoride	CAS-No.: 1341-49-7	1 – 5	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Eye Dam. 1, H318
Hydrofluoric Acid	CAS-No.: 7664-39-3	1	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1A, H314 Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. Call a physician immediately.
First-aid measures after inhalation	: Call a physician immediately. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Immediately call a poison center or doctor/physician. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a physician immediately. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
Most Important Symptoms/Effects	: Corrosive effects. Risk of irreversible damage to affected area.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry chemical, CO2, dry sand, or alcohol-resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: May intensify fire; oxidizer.
Explosion hazard	: No direct explosion hazard.
Reactivity in case of fire	: May cause or intensify fire; oxidizer.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Hydrogen. Sulfur oxides. Hydrogen fluoride. Ammonia. Nitrogen oxides.

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5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid all personal contact including breathing in the vapors, spray, mist, gas. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, ventilate area, remove ignition sources. Prevent other non-emergency personnel from entering the danger area. No open flames, no sparks, and no smoking. Do not breathe vapors, spray, mist, gas.

6.1.2. For emergency responders

- Protective equipment : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment.
- Emergency procedures : Evacuate personnel to a safe area. Ventilate spillage area. Stop leak if safe to do so. Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Stop leak, if possible without risk. Contain with non-combustible inert absorbent.
- Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Wear personal protective equipment. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors, spray, mist, gas. Do not get in eyes, on skin, or on clothing. Keep away from sources of ignition - No smoking.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep cool. Protect from sunlight. Keep away from combustible material. Keep container tightly closed. Store in original container or corrosive resistant and/or lined container.
Incompatible materials	: Metals. Aldehydes. Alkali metals. Ammonia. Alcohols. Combustible materials. Organic materials. Strong acids. Peroxides. Powdered metals. Cyanides. Strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Sulfuric acid (7664-93-9)

USA - ACGIH - Occupational Exposure Limits

Local name	Sulfuric acid
ACGIH OEL TWA	0.2 mg/m ³ (T - Thoracic particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm func. Notations: A2 (Suspected Human Carcinogen. Classification refers to sulfuric acid contained in strong inorganic acid mists)
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Sulfuric acid
OSHA PEL TWA	1 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Ammonium bifluoride (1341-49-7)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	2.5 mg/m ³ Expressed as: F
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Nitric Acid (7697-37-2)

USA - ACGIH - Occupational Exposure Limits

Local name	Nitric acid
ACGIH OEL TWA	2 ppm
ACGIH OEL STEL	4 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; dental erosion
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Nitric acid
OSHA PEL TWA	5 mg/m ³ 2 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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Hydrofluoric Acid (7664-39-3)

USA - ACGIH - Occupational Exposure Limits

Local name	Hydrogen fluoride, as F
ACGIH OEL TWA	0.5 ppm
ACGIH OEL C	2 ppm
Remark (ACGIH)	TLV® Basis: URT, LRT, skin, & eye irr; fluorosis. Notations: Skin; BEI
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Hydrogen fluoride (as F)
OSHA PEL TWA	3 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-2

8.2. Appropriate engineering controls

- Appropriate engineering controls : Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:

Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138 . The following materials are suitable for protective gloves: Butyl rubber, Nitrile rubber, Polyvinylchloride (PVC)

Eye protection:

Chemical goggles or face shield. The use of eye protection during handling of the product is mandatory.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid.

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Appearance	: Liquid.
Color	: Tan
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May intensify fire; oxidizer.

10.2. Chemical stability

May cause or intensify fire; oxidizer.

10.3. Possibility of hazardous reactions

May cause or intensify fire; oxidizer.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

10.5. Incompatible materials

Alcohols. Aldehydes. Alkali metals. Combustible materials. Organic materials. Strong acids. Strong bases. Strong reducing agents. Powdered metals. Metals. Hydrogen fluoride. Ammonia. Cyanides. Peroxides. Oxidizing agents. Hydrogen.

10.6. Hazardous decomposition products

Hydrogen. Sulfur oxides. Hydrogen fluoride. Ammonia. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

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Acute toxicity (dermal) : Toxic in contact with skin.
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

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ATE US (oral)	396.071 mg/kg body weight
ATE US (dermal)	283 mg/kg body weight
ATE US (dust, mist)	2.83 mg/l/4h
Unknown acute toxicity (GHS US)	8.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 43.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 43.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Sulfuric acid	
LD50 oral rat	2140 mg/kg body weight
LC50 Inhalation - Rat	0.375 mg/l air

Ammonium bifluoride	
LD50 oral rat	130 mg/kg

Nitric Acid	
LC50 Inhalation - Rat [ppm]	2500 ppm/1h
LC50 Inhalation - Rat (Vapours)	0.126 mg/l/4h

Hydrofluoric Acid	
LD50 dermal rabbit	≤ 50 mg/kg body weight
LC50 Inhalation - Rat [ppm]	0.79 ppm

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer.

Sulfuric acid	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	Known Human Carcinogens

Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.

Sulfuric acid	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Nitric Acid	
NOAEL (oral, rat, 90 days)	1500 mg/kg body weight
NOAEC (inhalation, rat, gas, 90 days)	2.15 ppm

Hydrofluoric Acid	
NOAEC (inhalation, rat, gas, 90 days)	0.88 ppm

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

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Nitric Acid

Viscosity, kinematic	0.408 mm ² /s
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
Most Important Symptoms/Effects	: Corrosive effects. Risk of irreversible damage to affected area.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Sulfuric acid

LC50 - Fish [1]	16 – 28 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
NOEC (chronic)	0.15 mg/l
NOEC chronic fish	0.31 mg/l

Ammonium bifluoride

LC50 - Fish [1]	421.4 mg/l
EC50 - Crustacea [1]	97 – 153 mg/l
NOEC chronic fish	4 mg/l
NOEC chronic crustacea	0.79 mg/l

Nitric Acid

LC50 - Fish [1]	72 mg/l
LC50 - Other aquatic organisms [1]	39 mg/l
EC50 - Crustacea [1]	462 mg/l
LC50 - Fish [2]	1354 mg/l
NOEC chronic fish	268 mg/l
NOEC chronic crustacea	21.3 mg/l

Hydrofluoric Acid

LC50 - Fish [1]	107.5 mg/l
EC50 - Crustacea [1]	73.3 mg/l
LC50 - Fish [2]	165 mg/l
EC50 72h - Algae [1]	43 – 122 mg/l
ErC50 algae	43 mg/l
NOEC (chronic)	14.1 mg/l
NOEC chronic crustacea	7.1 mg/l

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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Nitric Acid

Partition coefficient n-octanol/water (Log Pow)	-0.21
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available



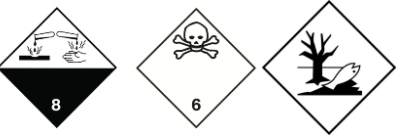
SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
2922	2922	2922
14.2. Proper Shipping Name		
Corrosive liquids, toxic, n.o.s. (Sulfuric acid ; Nitric Acid MIXTURE)	CORROSIVE LIQUID, TOXIC, N.O.S. (Sulfuric acid ; Nitric Acid MIXTURE)	Corrosive liquid, toxic, n.o.s. (Sulfuric acid ; Nitric Acid MIXTURE)
14.3. Transport hazard class(es)		
8 (6.1)	8 (6.1)	8 (6.1)
		
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

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DOT	IMDG	IATA
No supplementary information available		

14.6. Special precautions for user

DOT

UN-No.(DOT)	: UN2922
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 243
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"

IMDG

Special provision (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP2
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes. Toxic if swallowed, by skin contact or by inhalation.

IATA

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
ERG code (IATA)	: 8P

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Sulfuric acid	CAS-No. 7664-93-9	10 – 30%
Nitric Acid	CAS-No. 7697-37-2	5 – 10%
Hydrofluoric Acid	CAS-No. 7664-39-3	1%

Sulfuric acid (7664-93-9)

CERCLA RQ	1000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb

Ammonium bifluoride (1341-49-7)

CERCLA RQ	100 lb
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Nitric Acid (7697-37-2)

CERCLA RQ	1000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb

Hydrofluoric Acid (7664-39-3)

Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	100 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	100 lb

15.2. International regulations

CANADA

Sulfuric acid (7664-93-9)

Listed on the Canadian DSL (Domestic Substances List)

Ammonium bifluoride (1341-49-7)

Listed on the Canadian DSL (Domestic Substances List)

Nitric Acid (7697-37-2)

Listed on the Canadian DSL (Domestic Substances List)

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Hydrofluoric Acid (7664-39-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Sulfuric acid (7664-93-9)

Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Ammonium bifluoride (1341-49-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Nitric Acid (7697-37-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Hydrofluoric Acid (7664-39-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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Revision date : 9/12/2024

Full text of hazard classes and H-statements	
H272	May intensify fire; oxidizer
H290	May be corrosive to metals
H300	Fatal if swallowed
H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation

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Full text of hazard classes and H-statements	
H350	May cause cancer
H412	Harmful to aquatic life with long lasting effects

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number

Derustit SS-3 Liquid

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Abbreviations and acronyms	
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.