



# Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 08/14/2015

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Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)  
Product group : Trade product

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Bradford Derustit Corp  
92885 Yorba Linda  
T (714) 695-0899  
[sales@derustit.com](mailto:sales@derustit.com) - [www.DERUSTIT.com](http://www.DERUSTIT.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec #3103 (within US) 800-424-9300; (outside US) 703-527-3887

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-CA)

Skin corrosion/irritation Category 1A H314  
Serious eye damage/eye irritation Category 1 H318  
Full text of H-phrases: see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-CA labeling

Hazard pictograms (GHS-CA) :



GHS05

Signal word (GHS-CA) Hazard statements (GHS-CA) : Danger

Hazard statements (GHS-CA) : Causes severe skin burns and eye damage  
Causes serious eye damage

Precautionary statements (GHS-CA) : Do not breathe dust/fume/gas/mist/vapors/spray  
Wash ... thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
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/...  
Specific treatment (see ... on this label)  
Wash contaminated clothing before reuse  
Store locked up  
Dispose of contents/container to ...

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-CA)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

# Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Product identifier	%	Classification (GHS-CA)
Nitric acid	(CAS No) 7697-37-2	5 - 10	Skin corrosion/irritation Category 1A, H314 Serious eye damage/eye irritation Category 1, H318
Hydrofluoric acid	(CAS No) 7664-39-3	1 - 5	Acute toxicity (inhalation:dust,mist) Category 3, H331

Full text of H-phrases: see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact	: Immediately call a poison center or doctor/physician. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Rinse skin with water/shower.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation.
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.
Potential Adverse human health effects and symptoms	: Toxic if swallowed. Toxic if inhaled. Fatal in contact with skin.

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

#### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream. May intensify fire; oxidizer.

#### 5.3. Specific hazards arising from the hazardous product

Fire hazard	: May intensify fire; oxidizer.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity	: Corrosive vapors.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. No smoking.

#### 6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.3. Reference to other sections

Sea transport (IMO)

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Use only outdoors or in a well-ventilated area. Do not breathe vapors. Do not get in eyes, on skin, or on clothing.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Additional hazards when processed	: Hazardous waste due to potential risk of explosion.

# Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.
Storage conditions	: Keep only in original container. Keep in fireproof place. Keep container tightly closed.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources. Combustible materials.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures/Personal protective equipment

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses. Face shield.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Other information	: Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: Brown.
Odor	: acidic.
Odor threshold	: No data available
pH	: 2.35
pH solution	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 102 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapor pressure	: No data available
Vapor pressure at 50 °C	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Specific gravity / density	: No data available
Relative gas density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, kinematic (calculated value) (40 °C)	: No data available
Explosive properties	: No data available
Oxidizing properties	: May intensify fire; oxidizer.
Explosion limits	: No data available
LEL	: No data available
UEL	: No data available

# Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	: Corrosive vapors.
Chemical stability	: May intensify fire; oxidizer.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Extremely high or low temperatures. Heat. Sparks. Overheating. Open flame.
Incompatible materials	: Strong acids. Strong bases.
Hazardous decomposition products	: Thermal decomposition generates : Corrosive vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 2.35
Serious eye damage/irritation	: Causes serious eye damage. pH: 2.35
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Toxic if swallowed. Toxic if inhaled. Fatal in contact with skin.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

#### Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)

Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Clean up even minor leaks or spills if possible without unnecessary risk.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.

# Derustit SS-3™ Stainless Steel Cleaner (Liquid and Paste)

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### TDG

UN-No. (TDG) : UN3264  
Packing group : III - Minor Danger  
TDG Primary Hazard Classes : 8 - Class 8 - Corrosives  
Transport document description : UN3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.), 8, III  
TDG Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
  
Hazard labels (TDG) : 8 - Corrosive substances



TDG Special Provisions : 16 - 1) The technical name of the most dangerous substance related to the primary class must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(i)(A) of Part 3, Documentation. The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4, Dangerous Goods Safety Marks.  
2) subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical: a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.; b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.; c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.; d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.; or e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the "Food and Drugs Act".  
  
ERAP Index : 3 000  
Explosive Limit and Limited Quantity Index : 0  
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 0.5

#### 14.2. Transport information/DOT

#### DOT

DOT NA no. : UN3264  
UN-No.(DOT) : 3264  
Packing group (DOT) : III - Minor Danger  
DOT Symbols : G - Identifies PSN requiring a technical name  
  
Transport document description : UN3264 Corrosive liquid, acidic, inorganic, n.o.s., 8, III  
Proper Shipping Name (DOT) : Corrosive liquid, acidic, inorganic, n.o.s.  
Contains Statement Field Selection (DOT) :  
  
Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136  
Division (DOT) : 8  
Hazard labels (DOT) : 8 - Corrosive



Dangerous for the environment : No

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## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

DOT Special Provisions (49 CFR 172.102)	: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Other information	: No supplementary information available.

### 14.3. Air and sea transport

#### IMDG

UN-No. (IMDG)	: 3264
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger

#### IATA

UN-No. (IATA)	: 3264
Proper Shipping Name (IATA)	: Corrosive liquid, acidic, inorganic, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

## SECTION 15: Regulatory information

### National/international regulations

No additional information available

## SECTION 16: Other information

Date of issue	: 14/08/2015
Revision date	: 14/08/2015

Indication of changes:	
Other information	: None.

Full text of H-phrases:

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled

SDS Canada (GHS)

*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*