1. Identification

Product identifier: Stainless Weld Heat Tint Remover - Dipping Version

Other means of identification: Not available.

Recommended use: Stainless weld chromium oxide and heat tint remover

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer:
- Company name: Protocol Environmental Solutions Inc.
- Address: 105B 81 Golden Drive, Coquitlam, BC V3K 6R2 Canada
- Telephone: 604-464-0660

Distributed by:
- Address: Praxair, Inc., 39 Old Ridgebury Rd, Danbury, CT 06810-5113 US
- Telephone: 1-800-645-4633
- Chemtrec: 1-800-424-9300

2. Hazard(s) identification

Physical hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Health hazards:
- Skin corrosion/irritation: Category 1A
- Serious eye damage/eye irritation: Category 1
- Specific target organ toxicity, single exposure: Category 3 respiratory tract irritation

Environmental hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.

OSHA defined hazards:
- This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Label elements

- Signal word: Danger
- Hazard statement: Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation.
- Precautionary statement:
  - Prevention: Do not breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
  - Response: If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. Wash contaminated clothing before reuse.
  - Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.
  - Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
- Hazard(s) not otherwise classified (HNOC): Other hazards which do not result in classification:
  - Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract. Inhalation could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. In extreme cases, tooth erosion could result.
  - May intensify fire; Nitric acid is an oxidizer. Contact with water will generate considerable heat.
- Supplemental information: Not applicable.
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>NITRIC ACID</td>
<td>Hydrogen nitrate</td>
<td>7697-37-2</td>
<td>20 - 35</td>
</tr>
<tr>
<td>Magnesium Nitrate</td>
<td>Magnesium Dinitrate</td>
<td>10377-60-3</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Magnesium Fluoride</td>
<td>Magnesium difluoride</td>
<td>7783-40-6</td>
<td>5 - 10</td>
</tr>
<tr>
<td>TRADE SECRET*</td>
<td>*</td>
<td>Proprietary</td>
<td>3 - 5</td>
</tr>
</tbody>
</table>

The exact concentrations of the above listed chemicals are being withheld as a trade secret as allowed by 29CFR1910.1200.

4. First-aid measures

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention immediately.

**Skin contact**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Duration of rinsing should be at least 15 minutes. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.

**Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Duration of rinsing should be at least 15 minutes. Get medical attention immediately.

**Ingestion**

Rinse mouth. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. Seek immediate medical attention/advice.

**Most important symptoms/effects, acute and delayed**

Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. Symptoms may include redness, blistering, pain and swelling. Direct contact with concentrated solutions may be corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause severe irritation to the nose, throat, and respiratory tract. Symptoms may include coughing, choking and wheezing. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

**Suitable extinguishing media**

Water spray, fog (flooding amounts).

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire. Do not use carbon dioxide or other smothering agents, as they may be ineffective in fires involving oxidizers.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed. May intensify fire; oxidizer. Contact with water will generate considerable heat.

**Special protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions**

Ventilate the contaminated area. Use water spray to cool unopened containers. Move containers from fire area if you can do so without risk. Do not scatter spilled material with high pressure water streams. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Specific methods**

Cool containers exposed to flames with water until well after the fire is out.

**General fire hazards**

No unusual fire or explosion hazards noted.

**Hazardous combustion products**


6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors.

Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up

Ventilate the contaminated area. Evacuate area. Cover any spilled material with non-combustible absorbent material, such as vermiculite or sand, then place absorbent material into a container for later disposal. Neutralize the spilled material before disposal. Contaminated absorbent material may pose the same hazards as the spilled product. Prevent entry into waterways, sewer, basements or confined areas.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Avoid breathing mist or vapor. Do not get in eyes, on skin, or on clothing. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Keep away from metals and other incompatibles. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. When diluting, always add the product to water. Never add water to the product. When preparing or diluting solution, always add to water, slowly and with stirring. Observe good industrial hygiene practices. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep containers tightly closed in a dry, cool and well-ventilated place. Use care in handling/storage.

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Fluoride (CAS 7783-40-6)</td>
<td>PEL</td>
<td>2.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>NITRIC ACID (CAS 7697-37-2)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-2 (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Fluoride (CAS 7783-40-6)</td>
<td>TWA</td>
<td>2.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>NITRIC ACID (CAS 7697-37-2)</td>
<td></td>
<td>2 ppm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Fluoride (CAS 7783-40-6)</td>
<td>TWA</td>
<td>2.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>NITRIC ACID (CAS 7697-37-2)</td>
<td>STEL</td>
<td>4 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 ppm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Fluoride (CAS 7783-40-6)</td>
<td>TWA</td>
<td>2.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>NITRIC ACID (CAS 7697-37-2)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Biological limit values

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices</th>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Fluoride (CAS 7783-40-6)</td>
<td>3 mg/l</td>
<td>Fluoride</td>
<td>Urine</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 mg/l</td>
<td>Fluoride</td>
<td>Urine</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.
Exposure guidelines

Appropriate engineering controls

Occupational Exposure Limits are not relevant to the current physical form of the product.

General ventilation normally adequate. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). A full face shield may also be necessary. An eyewash station should be made available in the immediate working area.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves such as Neoprene or Nitrile. Advice should be sought from glove suppliers.

Other

Wear suitable clothing such as coveralls.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Advice should be sought from respiratory protection specialists.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Gel.

Color

Purple.

Odor

Slight.

Odor threshold

Not available.

pH

acidic

Melting point/freezing point

32 °F (0 °C)

Initial boiling point and boiling range

> 212 °F (> 100 °C)

Flash point

Not available.

Evaporation rate

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not available.

Flammability limit - upper (%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

13.64 hPa estimated

Vapor density

Not available.

Relative density

Not available.

Solubility(ies)

Solubility (water)

Miscible

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

Not available.

Other information

Explosive properties

Not explosive.

Oxidizing properties

Oxidizer - contact with other material may cause fire.

Percent volatile

46.59 % estimated
10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Contact with incompatible materials. Avoid heat, sparks, open flames and other ignition sources. Do not use in areas without adequate ventilation.

Incompatible materials

Hazardous decomposition products
May attack light-alloy metals and liberate hydrogen gas. Refer to hazardous combustion products in Section 5.

11. Toxicological information

Information on likely routes of exposure

Inhalation
May cause severe irritation to the nose, throat, and respiratory tract.

Skin contact
Causes skin burns.

Eye contact
Causes eye burns.

Ingestion
May cause severe irritation and corrosive damage in the mouth, throat and stomach.

Most important symptoms/effects, acute and delayed
Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. Symptoms may include redness, blistering, pain and swelling. Direct contact with concentrated solutions may be corrosive to the eyes and may cause severe damage including blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause severe irritation to the nose, throat, and respiratory tract. Symptoms may include coughing, choking and wheezing. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding.

Information on toxicological effects

Acute toxicity
This product is not classified as an acute toxicity hazard. See below for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Weld Heat Tint Remover - Dipping Version</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>20.92 mg/l, 4 hours (Calculated ATE)</td>
</tr>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium Fluoride (CAS 7783-40-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>No data in literature</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>No data in literature</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>2330 mg/kg</td>
</tr>
<tr>
<td>Magnesium Nitrate (CAS 10377-60-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>No data in literature</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>NITRIC ACID (CAS 7697-37-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rabbit</td>
<td>No Data in Literature</td>
</tr>
</tbody>
</table>
### Components

<table>
<thead>
<tr>
<th><strong>Species</strong></th>
<th><strong>Test Results</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>No data in literature</td>
</tr>
<tr>
<td>Rat</td>
<td>No Data in Literature</td>
</tr>
<tr>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg (No mortality)</td>
</tr>
<tr>
<td>Rat</td>
<td>3160 mg/kg</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Skin corrosion/irritation
Causes severe skin irritation.

### Serious eye damage/eye irritation
Causes eye burns.

### Respiratory or skin sensitization

#### Respiratory sensitization
This product is not expected to cause respiratory sensitization.

#### Skin sensitizer
This product is not expected to cause skin sensitization.

### Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity
No components present at greater than 0.1% are considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### IARC Monographs. Overall Evaluation of Carcinogenicity
Magnesium Fluoride (CAS 7783-40-6) Not classifiable as to carcinogenicity to humans.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

### Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

### Specific target organ toxicity - single exposure
Specific Target Organ Toxicity (STOT), Single Exposure: Category 3
May cause respiratory irritation.

### Specific target organ toxicity - repeated exposure
Not classified as a specific target organ toxicity - repeated exposure.

### Aspiration toxicity
Not expected to be an aspiration hazard.

### Chronic effects
Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. In extreme cases, tooth erosion could result.

### 12. Ecological information

#### Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Nitrate (CAS 10377-60-3)</td>
<td>Guppy (Poecilia reticulata)</td>
<td>1378 mg/l, 96 hours (potassium nitrate, KNO3/L)</td>
</tr>
</tbody>
</table>

#### TRADE SECRET

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green algae (Desmodesmus subspicatus)</td>
<td>48 mg/l, 72 hours</td>
</tr>
<tr>
<td>Water flea (Daphnia magna)</td>
<td>71.6 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fathead minnow (Pimephales promelas)</td>
<td>70.3 mg/l, 96 hours</td>
</tr>
</tbody>
</table>
Components | Species | Test Results
--- | --- | ---
*Chronic*  
Algae | NOEC | Green algae (Desmodesmus subspicatus) | 18 mg/l, 72 hours

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability**  
Biodegradation is not applicable to inorganic substances.

**Bioaccumulative potential**  
No data available.

**Mobility in soil**  
No data available.

**Other adverse effects**  
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions**  
Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations**  
Dispose in accordance with all applicable regulations.

**Hazardous waste code**  
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**  
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**Contaminated packaging**  
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

**DOT**

- **UN number**: UN3264  
- **UN proper shipping name**: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID; Magnesium Nitrate)  
- **Class**: 8  
- **Subsidiary risk**: -  
- **Label(s)**: 8  
- **Packing group**: II  
- **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.  
- **Special provisions**: B2, IB2, T11, TP2, TP27

**IATA**

- **UN number**: UN3264  
- **UN proper shipping name**: Corrosive liquid, acidic, inorganic, n.o.s. (NITRIC ACID; Magnesium Nitrate)  
- **Class**: 8  
- **Subsidiary risk**: -  
- **Packing group**: II  
- **Environmental hazards**: No.  
- **ERG Code**: 8L  
- **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.  
- **Other information**: Passenger and cargo aircraft: Allowed. Cargo aircraft only: Allowed.

**IMDG**

- **UN number**: UN3264  
- **UN proper shipping name**: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID; Magnesium Nitrate)
Transport hazard class(es)

Class 8
Subsidiary risk -
Packing group II

Environmental hazards
Marine pollutant No.
EmS F-A, S-B

Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.
Not applicable.

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

IATA; IMDG

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
NITRIC ACID (CAS 7697-37-2) Listed.

SARA 304 Emergency release notification
NITRIC ACID (CAS 7697-37-2) 1000 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Reportable quantity</th>
<th>Threshold planning quantity</th>
<th>Threshold planning quantity, lower value</th>
<th>Threshold planning quantity, upper value</th>
</tr>
</thead>
<tbody>
<tr>
<td>NITRIC ACID</td>
<td>7697-37-2</td>
<td>1000</td>
<td>1000 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SARA 311/312 Hazardous chemical</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NITRIC ACID</td>
<td>7697-37-2</td>
<td>20 - 35</td>
</tr>
<tr>
<td>Magnesium Nitrate</td>
<td>10377-60-3</td>
<td>10 - 20</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
NITRIC ACID (CAS 7697-37-2)

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

US. Massachusetts RTK - Substance List
Magnesium Nitrate (CAS 10377-60-3)
NITRIC ACID (CAS 7697-37-2)

US. New Jersey Worker and Community Right-to-Know Act
Magnesium Fluoride (CAS 7783-40-6)
Magnesium Nitrate (CAS 10377-60-3)
NITRIC ACID (CAS 7697-37-2)
TRADE SECRET (CAS Proprietary)

US. Pennsylvania Worker and Community Right-to-Know Law
Magnesium Fluoride (CAS 7783-40-6)
Magnesium Nitrate (CAS 10377-60-3)
NITRIC ACID (CAS 7697-37-2)

US. Rhode Island RTK
Magnesium Nitrate (CAS 10377-60-3)
NITRIC ACID (CAS 7697-37-2)

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date: 03-16-2015
Version #: 01

List of abbreviations

Material name: Stainless Weld Heat Tint Remover - Dipping Version
2604   Version #: 01   Issue date: 03-16-2015
Disclaimer

Prepared by: ICC The Compliance Center Inc.
http://www.thecompliancecenter.com

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by / obtained from Protocol Environmental Solutions Inc. and CCOHS’ Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Protocol Environmental Solutions Inc. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Protocol Environmental Solutions Inc. The information in the sheet was written based on the best knowledge and experience currently available.

Bibliography

Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM)
Material Safety Data Sheet from manufacturer.