

# Safety Data Sheet



## Section 1: Company and Product Identification

**Chemical Nature:** Blend of acid and surfactant and other ingredients.

**Product Name:** **Slag Remover 50%**

**Product Use:** Acid solution for the removal of metal slag residues.

**Company:** J.T.Dixon Pty. Ltd.

19-21 Homes Street, North Geelong, VIC 3215

Telephone: 03 52786644 Facsimile: 03 52770526

Web: www.jtdixon.com.au

Email: info@jtdixon.com.au

**Emergency Response:** Poisons Information Centre: Phone 131126 (Australia)

## Section 2: Hazards Identification

GHS05

GHS07

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**Hazard Pictograms:**



### Statement of Hazardous Nature

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

**UN Number:** 1760

**Signal Word:** DANGER

**Hazard Category:** Corrosive to metals Cat 1  
Skin corrosion/irritation Cat 1  
Serious eye damage/eye irritation Cat 1  
Specific target organ tox, single exp. Cat 3 (resp irrit)

**Hazard Statements:** H290: May be corrosive to metals  
H314: Causes severe skin burns and eye damage  
H318: Causes serious eye damage  
H335: May cause respiratory irritation

**Precautionary Statements:** P234: Keep only in original container  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P264: Wash thoroughly after handling  
P271: Use only outdoors or in a well-ventilated area  
P280: Wear protective gloves/protective clothing/eye protection/face

**Response:** P301: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin water.  
P304: IF INHALED: remove to fresh air and keep at rest in a position comfortable for breathing.  
P305: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER Ph 131126 or doctor.  
P321: Specific treatment is advised - see first aid instructions.  
P363: Wash contaminated clothing before reuse  
P391: Collect spillage

**Storage:** P403: Store in a well ventilated place. Keep container closed.  
P405: Store locked up  
P406: Store in a corrosive resistant/.. container with a resistant inner liner

**Disposal:** P501: Dispose of contents/container in accordance with local/national/international rules.

**Other Hazards:** Not applicable, none known.

### Section 3: Composition / Information on Ingredients

Substances / Mixtures	Cas Number	Conc, %
Hydrochloric Acid	7647-01-0	<10%
Nonionic Surfactant	secret	<5%
Water	7732-18-5	to 100%%

### Section 4: First Aid Measures

**Eye:** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation:** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or doctor.

**Ingestion:** For advice, contact a Poison Information centre on 131126 (Australia) or a doctor. If swallowed, do not induce vomiting.

**First Aid Facilities:** Eye wash facilities and safety shower should be available.

#### Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

#### Immediate medical attention and special treatment needed

Treat symptomatically.

### Section 5: Fire Fighting Measures

**Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.

**Special Hazards:** Non flammable. May evolve toxic gases (phosphorus/ sulphur oxides) when heated to decomposition. Contact with most metals may evolve flammable hydrogen gas.

**Advice For Firefighters:** Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**Hazchem Code:** 2R

### Section 6: Accidental Release Measures

**Personal precautions, protective equipment and procedures:** Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

**Environmental Precautions:** Prevent product from entering drains and waterways.

**Cleanup Procedures:** Contain spillage, then cover / absorb spill with sodium carbonate or similar, collect and place in suitable containers for treatment and/or disposal. Only trained personnel should undertake clean up.

**Reference to other sections:** See Section 8 and 13 for exposure controls and disposal.

### Section 7: Handling and Storage

**Safe Handling Precautions:** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating. Drinking and smoking in contaminated areas.

**Recommendations for Storage:** Store in cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate ventilation systems.

**Specific End Use:** No Information provided.

## Section 8: Exposure Control / Personal Protection

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**Engineering Controls:** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

**Work Clothing:** Wear coveralls and rubber boots and a PVC apron. If spraying, wear impervious coveralls.

**Eye/face protection:** Wear splash-proof goggles. When using large quantities or where heavy contamination is likely, wear a faceshield.

**Skin Protection:** Wear full-length PVC or full-length rubber gloves.

**Respiratory Protection:** Where an inhalation risk exists, wear a Type B (Inorganic gases and vapours) respirator. If spraying, wear an Air-line respirator or a Full-face Type B-Class P1 (Inorganic and Acid Gas and Particulate) respirator.

**Biological Limits:** No biological limit values have been entered for this product.

## Exposure Standards

**Control parameters:** No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standards(s) for constituent(s):

Hydrogen Chloride: peak Limitation = 7.5 mg/m<sup>3</sup> (5 ppm)

## Section 9: Physical and Chemical Properties

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<b>Physical Discription:</b> Liquid	<b>Melting Point:</b> Not avail	<b>Freezing Point:</b> Not avail
<b>Colour:</b> Green	<b>Boiling Point:</b> > 120°C	<b>pH:</b> 1 to 3
<b>Sp Grav:</b> 1.1	<b>Odor:</b> Acid Odour	<b>Water Solubility:</b> Soluble
<b>Evaporation rate:</b> Not avail	<b>Flash Point:</b> Not Relevent	<b>Flammability:</b> Non Flammable
<b>Vapour Density:</b> Not avail	<b>Vapour Pressure:</b> Not avail	-

## Section 10: Stability and Reactivity

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**Reactivity:** Carefully review all information provided in Section 10.

**Chemical Stability:** Stable under recommended conditions of storage

**Possibility of Hazardous Polymerization:** Polymerization is not expected to occur.

**Reactions:**

**Conditions to Avoid:** Avoid heat, sparks, open flames and ignition sources.

**Incompatible Materials:** Incompatible with alkalis (eg. Sodium hydroxide) and metals (eg. Aluminium).  
Incompatible with potassium chlorate, potassium perchlorate, potassium permanganate, organic materials, halogens, metal acetylides, metal oxides, metal hydrides, strong oxidizing and reducing agents and many other reactive substances.

**Hazardous Decomposition:** May evolve toxic gases (phosphorus/ sulphur oxides) when heated to decomposition.

### **Section 11: Toxicological Information**

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**Acute Toxicity (Product):** Ingestion may result in severe burns to the mouth and throat, vomiting, abdominal pain, ulceration of the gastrointestinal tract, convulsions and death.

**Skin:** Causes severe burns. Contact may result in irritation, redness, pain, rash, dermatitis and severe burns.

**Eye:** Causes severe burns. Contact may result in irritation, lacrimation, pain, redness and corneal burns with possible permanent eye damage.

**Sensitisation:** Not classified as causing skin or respiratory sensitisation.

**Mutagenicity:** Not classified as a mutagen.

**Carcinogenicity:** Occupational exposure to strong inorganic acid mists containing sulphuric acid is classified as carcinogenic to humans (IARC Group 1).

**Reproductive:** Not classified as a reproductive toxin.

**STOT- single exposure:** Over exposure may result in irritation of the nose and throat, coughing and bronchitis. High level exposure may result in ulceration of the respiratory tract, lung tissue damage, chemical pneumonitis and pulmonary oedema. Effects may be delayed.

**STOT- repeated exposure:** Not classified as causing organ damage from repeated exposure. Adverse effects are generally associated with single exposure.

**Aspiration:** Not classified as causing aspiration.

### **Section 12: Ecological Information**

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**Toxicity:** Product not tested.

**Persistence and** Product not tested.

**Degradability:**

**Mobility in Soil:** Product not tested.

**Bioaccumulative Potential:** Product not tested.

### **Section 13: Disposal Information**

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**Product Disposal:** For small amounts (as determined by risk assessment or similar): Wearing the protective equipment detailed above, neutralise to pH 6-8 by SLOW addition to a saturation sodium bicarbonate solution or similar basic solution. Dilute with excess water and flush to drain. Product disposal should only be undertaken in well ventilated area. For larger amounts: Dispose in accordance with local regulations.

**Other Considerations:** Dispose of in accordance with relevant legislation.

### **Section 14: Transport Information**

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#### **Classified As Dangerous Goods By The Criteria Of The ADG Code.**

**UN Number:** 1760

**Proper Shipping Name:** CORROSIVE LIQUID, N.O.S.

**Dangerous Goods Class:** Class 8

**Packing Group:** II

**Hazchem Code:** 2R

### **Section 15: Regulatory Information**

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**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Hydrochloric acid, is mentioned in the SUSMP.

**Section 16: Other Information**

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**SDS Author:** Greg SDS Author

**Version Date:**

1/12/2016

This SDS is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue. All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since J.T.DIXON cannot anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the use of or reliance upon this information. No expressed or implied warranties are given other than those mandated by Commonwealth, State, territory legislation.