# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **LPS® Cold Galvanize**

**Other means of identification**

**Part Number** 05128

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

**Recommended use** A zinc rich industrial maintenance primer designed for rust and corrosion protection.

**Restrictions on use** Not available.

**Details of manufacturer or importer**

**Manufacturer**

**Supplier Name** MRO Chem Pty Ltd.

**Address** Level 19, 644 Chapel Street
South Yarra, Victoria 3141, Australia
Tel: +03 9823 6273

**In Case of Emergency** +04 3448 1129

**Manufacturer**

**Company name** ITW Pro Brands

**Address** 4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)

**Website** http://www.lpslabs.com

**E-mail** lpssds@itwprobrands.com

## 2. Hazard(s) identification

**Classification of the hazardous chemical**

| | | |
|---|---|---|
| **Physical hazards** | Flammable liquids | Category 2 |
| **Health hazards** | Acute toxicity, dermal | Category 4 |
| | Acute toxicity, inhalation | Category 4 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Sensitization, skin | Category 1B |
| | Carcinogenicity | Category 2 |
| | Reproductive toxicity | Category 2 |
| | Specific target organ toxicity, repeated exposure | Category 1 (Central Nervous System) |
| | Specific target organ toxicity, repeated exposure | Category 2 (auditory organ, Lung, Kidney) |
| **Environmental hazards** | Hazardous to the aquatic environment, long-term hazard | Category 1 |

**Label elements, including precautionary statements**

**Hazard symbol(s)**

Flame | Health hazard | Exclamation mark | Environment

**Signal word** Danger

**Hazard statement(s)** Highly flammable liquid and vapor. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (Central Nervous System) through prolonged or repeated exposure. May cause damage to organs (auditory organ, Lung, Kidney) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing. Wear protective gloves/eye protection/face protection.

**Response** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media for extinction. Collect spillage.

**Storage** Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards which do not result in classification** None known.

**Supplemental information** None known.

## 3. Composition/information on ingredients

**Mixture**

| Identity of chemical ingredients | CAS number and other unique identifiers | Concentration of ingredients |
|---|---|---|
| Metallic Zinc | 7440-66-6 | 60 - 70 |
| Acetone | 67-64-1 | 5 - 10 |
| Xylene | 1330-20-7 | 1 - 10 |
| Ethylbenzene | 100-41-4 | 1 - 3 |
| Mineral Spirits Regular Stoddard Solvent | 8052-41-3 | 1 - 3 |
| Zinc Oxide | 1314-13-2 | 1 - 3 |

## 4. First-aid measures

**Description of necessary first aid measures**

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical advice/attention if you feel unwell.

**Personal protection for first-aid responders** Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

| | |
|---|---|
| **Symptoms caused by exposure** | Narcosis. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Discomfort in the chest. Shortness of breath. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Edema. Prolonged exposure may cause chronic effects. |
| **Medical attention and special treatment** | Provide general supportive measures and treat symptomatically. Thermal 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 warm. Keep victim under observation. Symptoms may be delayed. |

## 5. Fire-fighting measures

**Extinguishing media**

| | |
|---|---|
| **Suitable extinguishing media** | Water fog. Foam. Dry chemical powder. Dry sand. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. |
| **Special protective equipment and precautions for fire fighters** | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| **Hazchem code** | None. |
| **General fire hazards** | Highly flammable liquid and vapor. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |

## 6. Accidental release measures

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

| | |
|---|---|
| **For non-emergency personnel** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| **For emergency responders** | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS. |
| **Environmental precautions** | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |
| **Methods and materials for containment and cleaning up** | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is immiscible with water and will spread on the water surface. Prevent entry into waterways, sewer, basements or confined areas.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. |

## 7. Handling and storage

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls and personal protection

**Control parameters**

Follow standard monitoring procedures.

**Occupational exposure limits**

**Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**

| Components | Type | Value | Form |
|---|---|---|---|
| Acetone (CAS 67-64-1) | STEL | 2375 mg/m3 | |
| | | 1000 ppm | |
| | TWA | 1185 mg/m3 | |
| | | 500 ppm | |
| Ethylbenzene (CAS 100-41-4) | STEL | 543 mg/m3 | |
| | | 125 ppm | |
| | TWA | 434 mg/m3 | |
| | | 100 ppm | |
| Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3) | TWA | 790 mg/m3 | |
| Xylene (CAS 1330-20-7) | STEL | 655 mg/m3 | |
| | | 150 ppm | |
| | TWA | 350 mg/m3 | |
| | | 80 ppm | |
| Zinc Oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Fume. |
| | TWA | 5 mg/m3 | Fume. |
| | | 10 mg/m3 | Inhalable dust. |

**Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)**

| Components | Type | Value | Form |
|---|---|---|---|
| Acetone (CAS 67-64-1) | STEL | 2375 mg/m3 | |
| | | 1000 ppm | |
| | TWA | 1185 mg/m3 | |
| | | 500 ppm | |
| Ethylbenzene (CAS 100-41-4) | STEL | 543 mg/m3 | |
| | | 125 ppm | |
| | TWA | 434 mg/m3 | |
| | | 100 ppm | |
| Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3) | TWA | 790 mg/m3 | |
| Xylene (CAS 1330-20-7) | STEL | 655 mg/m3 | |
| | | 150 ppm | |
| | TWA | 350 mg/m3 | |

**Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)**

| Components | Type | Value | Form |
|---|---|---|---|
| | | 80 ppm | |
| Zinc Oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Fume. |
| | TWA | 5 mg/m3 | Fume. |
| | | 10 mg/m3 | Inspirable dust. |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Acetone (CAS 67-64-1) | STEL | 500 ppm | |
| | TWA | 250 ppm | |
| Ethylbenzene (CAS 100-41-4) | TWA | 20 ppm | |
| Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3) | TWA | 100 ppm | |
| Xylene (CAS 1330-20-7) | STEL | 150 ppm | |
| | TWA | 100 ppm | |
| Zinc Oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Respirable fraction. |
| | TWA | 2 mg/m3 | Respirable fraction. |

**UK. EH40 Workplace Exposure Limits (WELs)**

| Components | Type | Value |
|---|---|---|
| Acetone (CAS 67-64-1) | STEL | 3620 mg/m3 |
| | | 1500 ppm |
| | TWA | 1210 mg/m3 |
| | | 500 ppm |
| Ethylbenzene (CAS 100-41-4) | STEL | 552 mg/m3 |
| | | 125 ppm |
| | TWA | 441 mg/m3 |
| | | 100 ppm |
| Xylene (CAS 1330-20-7) | STEL | 441 mg/m3 |
| | | 100 ppm |
| | TWA | 220 mg/m3 |
| | | 50 ppm |

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

| Components | Type | Value | Form |
|---|---|---|---|
| Acetone (CAS 67-64-1) | TWA | 1200 mg/m3 | |
| | | 500 ppm | |
| Ethylbenzene (CAS 100-41-4) | TWA | 88 mg/m3 | |
| | | 20 ppm | |
| Metallic Zinc (CAS 7440-66-6) | TWA | 2 mg/m3 | Inhalable fraction. |
| | | 0.1 mg/m3 | Respirable fraction. |
| Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9) | TWA | 300 mg/m3 | |
| | | 50 ppm | |
| Xylene (CAS 1330-20-7) | TWA | 440 mg/m3 | |
| | | 100 ppm | |

**Biological limit values**

**Germany. TRGS 903, BAT List (Biological Limit Values)**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Acetone (CAS 67-64-1) | 80 mg/l | Aceton | Urine | * |
| Ethylbenzene (CAS 100-41-4) | 300 mg/l | Mandelsäure plus Phenylglyoxylsäure | Urine | * |
| Xylene (CAS 1330-20-7) | 2000 mg/l | Methylhippur-(Tolur-) säure (alle Isomere) | Urine | * |
| | 1.5 mg/l | Xylol | Blood | * |

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

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Acetone (CAS 67-64-1) | 25 mg/l | Acetone | Urine | * |
| Ethylbenzene (CAS 100-41-4) | 0.15 g/g | Sum of mandelic acid and phenylglyoxylic acid | Creatinine in urine | * |
| Xylene (CAS 1330-20-7) | 1.5 g/g | Methylhippuric acids | Creatinine in urine | * |

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

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. 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. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, for example personal protective equipment (PPE)**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** Observe any medical surveillance requirements. When using do not smoke. 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. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Grey.

**Odor** Aromatic. Hydrocarbon-like.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** < 73.4 °F (< 23.0 °C)

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

| | |
|---|---|
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | > 1 kPa @ 25°C |
| **Vapor density** | > 1 (air = 1) |
| **Relative density** | Not available. |
| **Solubility(ies)** | |
| **Solubility (water)** | Insoluble in water |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | 3000 - 4500 cSt |

**Other physical and chemical parameters**

| | |
|---|---|
| **Density** | 18.97 g/cm3 |
| **Explosive properties** | Not explosive. |
| **Oxidizing properties** | Not oxidizing. |
| **Percent volatile** | 25.7 % |
| **Specific gravity** | 2.27 @ 25°C |
| **VOC** | 335.5 g/l per U.S. State and Federal Architectural Coating Regulations. |

## 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** | No dangerous reaction known under conditions of normal use. |
| **Conditions to avoid** | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| **Incompatible materials** | Strong acids. Strong oxidizing agents. Halogens. |
| **Hazardous decomposition products** | Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. |

## 11. Toxicological information

**Information on possible routes of exposure**

| | |
|---|---|
| **Inhalation** | Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. |
| **Skin contact** | Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. |
| **Eye contact** | Causes serious eye irritation. |
| **Ingestion** | Expected to be a low ingestion hazard. |
| **Symptoms related to exposure** | Narcosis. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Discomfort in the chest. Shortness of breath. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Edema. |
| **Acute toxicity** | Harmful if inhaled. Harmful in contact with skin. |

| **Components** | **Species** | **Test Results** |
|---|---|---|
| Acetone (CAS 67-64-1) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 20 ml/kg, 24 Hours |
| **Inhalation** | | |
| *Vapor* | | |
| LC50 | Rat | 50.1 mg/l, 4 Hours |

| Components | Species | Test Results |
|---|---|---|
| **Oral** | | |
| LD50 | Rat | 9.1 ml/kg |
| Ethylbenzene (CAS 100-41-4) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 17.8 ml/kg, 24 Hours |
| **Inhalation** | | |
| *Vapor* | | |
| LC50 | Rat | 4000 ppm, 4 Hours |
| **Oral** | | |
| LD50 | Rat | 3500 mg/kg |
| Metallic Zinc (CAS 7440-66-6) | | |
| **Acute** | | |
| **Inhalation** | | |
| *Dust* | | |
| LC50 | Rat | > 5410 mg/m3, 4 Hours |
| **Oral** | | |
| LD50 | Rat | 630 mg/kg |
| Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 1900 mg/kg, 24 Hours |
| **Inhalation** | | |
| *Vapor* | | |
| LC50 | Rat | > 4980 mg/m3, 4 Hours |
| **Oral** | | |
| LD50 | Rat | 4820 mg/kg |
| Xylene (CAS 1330-20-7) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 5000 ml/kg, 4 Hours |
| **Inhalation** | | |
| *Vapor* | | |
| LC50 | Rat | 6700 ppm, 4 Hours |
| **Oral** | | |
| LD50 | Rat | 10 ml/kg |
| Zinc Oxide (CAS 1314-13-2) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rat | > 2000 mg/kg, 24 Hours |
| **Inhalation** | | |
| LC50 | Rat | > 5700 mg/m3, 4 Hours |
| **Oral** | | |
| LD50 | Rat | > 5000 mg/kg |

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

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

**Carcinogenicity** Suspected of causing cancer.

**ACGIH Carcinogens**

| | |
|---|---|
| Acetone (CAS 67-64-1) | A4 Not classifiable as a human carcinogen. |
| Ethylbenzene (CAS 100-41-4) | A3 Confirmed animal carcinogen with unknown relevance to humans. |
| Xylene (CAS 1330-20-7) | A4 Not classifiable as a human carcinogen. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Ethylbenzene (CAS 100-41-4) | 2B Possibly carcinogenic to humans. |
| Xylene (CAS 1330-20-7) | 3 Not classifiable as to carcinogenicity to humans. |

**Reproductive toxicity** Suspected of damaging fertility or the unborn child.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Causes damage to organs through prolonged or repeated exposure. May cause damage to organs (auditory organ, Lung, Kidney) through prolonged or repeated exposure.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Causes damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Other information** Symptoms may be delayed.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---|---|---|---|
| Acetone (CAS 67-64-1) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 10294 - 17704 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/l, 96 hours |
| Ethylbenzene (CAS 100-41-4) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 1.37 - 4.4 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 7.5 - 11 mg/l, 96 hours |
| Metallic Zinc (CAS 7440-66-6) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 2.8 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 0.56 mg/l, 96 hours |
| Xylene (CAS 1330-20-7) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 7.711 - 9.591 mg/l, 96 hours |
| Zinc Oxide (CAS 1314-13-2) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 2246 mg/l, 96 hours |

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

| **Partition coefficient n-octanol / water (log Kow)** | |
|---|---|
| Acetone | -0.24 |
| Ethylbenzene | 3.15 |
| Mineral Spirits Regular Stoddard Solvent | 3.16 - 7.15 |
| Xylene | 3.12 - 3.2 |

**Mobility in soil** The product is immiscible with water and will spread on the water surface.

| | |
|---|---|
| **Other adverse effects** | None known. |

## 13. Disposal considerations

| | |
|---|---|
| **Disposal methods** | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Residual waste** | 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 (see: Disposal instructions). |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

## 14. Transport information

**ADG**

| | |
|---|---|
| **UN number** | 1263 |
| **UN proper shipping name** | Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Packing group** | II |
| **Environmental hazards** | Yes |
| **Hazchem code** | None. |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**RID**

| | |
|---|---|
| **UN number** | 1263 |
| **UN proper shipping name** | Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **Packing group** | II |
| **Environmental hazards** | Yes |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**IATA**

| | |
|---|---|
| **UN number** | 1263 |
| **UN proper shipping name** | Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **Packing group** | II |
| **Environmental hazards** | Yes |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Other information** | |
| **Passenger and cargo aircraft** | Allowed with restrictions. |
| **Cargo aircraft only** | Allowed with restrictions. |

**IMDG**

| | |
|---|---|
| **UN number** | 1263 |
| **UN proper shipping name** | Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base (Metallic Zinc), MARINE POLLUTANT |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **Packing group** | II |

**Environmental hazards**

| | |
|---|---|
| **Marine pollutant** | Yes |
| **EmS** | F-E, S-E |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not established. |

**ADG**


**IATA; IMDG; RID**


**Marine pollutant**

| | |
|---|---|
| **General information** | IMDG Regulated Marine Pollutant. |

## 15. Regulatory information

**Safety, health and environmental regulations**

**National regulations** This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals (23/12/2011).

**Australia Medicines & Poisons Appendix E**

ACETONE (CAS 67-64-1)
XYLENE (CONC>75%) (CAS 1330-20-7)

**Australia Medicines & Poisons Appendix F**

ACETONE (CAS 67-64-1)
XYLENE (CAS 1330-20-7)

**Australia Medicines & Poisons Appendix I**

XYLENE (CAS 1330-20-7)

**Australia Medicines & Poisons Schedule 5**

ACETONE (CAS 67-64-1)

**Australia Medicines & Poisons Schedule 6**

XYLENE (EXCLUDING ITS DERIVATIVES) (CAS 1330-20-7)

**Australia National Pollutant Inventory (NPI): Threshold quantity**

| | |
|---|---|
| Acetone (CAS 67-64-1) | 10 TONNES/YR Threshold Category: 1 |
| Ethylbenzene (CAS 100-41-4) | 10 TONNES/YR Threshold Category: 1 |
| Xylene (CAS 1330-20-7) | 10 TONNES/YR Threshold Category: 1 |

**High Volume Industrial Chemicals (HVIC)**

| | |
|---|---|
| Acetone (CAS 67-64-1) | 1000 - 9999 TONNES See the regulation for additional information. |
| Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9) | 1000 - 9999 TONNES See the regulation for additional information. |
| Xylene (CAS 1330-20-7) | 10000 - 99999 TONNES See the regulation for additional information. |

**Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)**

Not listed.

**National Pollutant Inventory (NPI) substance reporting list**

Not listed.

**Prohibited Carcinogenic Substances**

Not regulated.

**Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)**

Not listed.

**Resricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not listed.

**Restricted Carcinogenic Substances**

Not regulated.

**International regulations**

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

## 16. Other information

| | |
|---|---|
| **Issue date** | 09-08-2016 |
| **Disclaimer** | ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. |
| **Revision information** | Product and Company Identification: Product Uses<br>Composition / Information on Ingredients: Ingredients<br>Physical & Chemical Properties: Multiple Properties<br>Transport Information: Proper Shipping Name/Packing Group<br>Regulatory Information: United States<br>HazReg Data: North America<br>GHS: Qualifiers |