



IDENTIFICATION

PRODUCT NAME:

IMTECH METAL PRIMER

Material Use:

For priming metal surfaces

Date of MSDS:

06/02/2010

SUPPLIER INFORMATION

Supplier:

IMTECH Rubber Products, Inc.

Address:

1355 West Main Street

Elko, NV 89801

Phone: 800-738-0308

Fax: 877-638-0308

EMERGENCY TELEPHONE NO:

800-255-3924

MATERIAL SAFETY DATA SHEET

SECTION 01: PRODUCT INFORMATION

Trade Name:

IMTECH METAL PRIMER

Material Use:

For priming metal surfaces

SECTION 02: CHEMICAL COMPOSITION

| Chemical Name | CAS Number | Weight % Less Than | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA | OSHA PEL-CEILING | Units |
|------------------------|------------|--------------------|---------------|----------------|--------------|------------------|-------|
| Methyl isobutyl ketone | 108-10-1 | 60% | 50 | 75 | 100 | N.E. | ppm |
| Xylene | 1330-20-7 | 15% | 100 | 150 | 100 | N.E. | ppm |
| Ethyl benzene | 100-41-4 | 3.0% | 100 | 125 | 100 | N.E. | ppm |
| Methyl ethyl ketone | 78-93-3 | 2.0% | 200 | 300 | 200 | N.E. | ppm |
| Carbon black | 1333-86-4 | 1.0% | 3.5 | N.E. | 3.5 | N.E. | ppm |
| Formaldehyde | 50-00-0 | 1.0% | 0.3C | N.E. | 0.75 | N.E. | ppm |

N.E. – Not Established, S – Skin Designation, C - Ceiling

SECTION 03: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Grey Liquid, with Solvent odor. Flammable liquid and vapor. May cause skin and eye irritation. May cause respiratory tract irritation. Vapor harmful; may affect the brain or nervous system causing dizziness, headache or nausea. Causes eye irritation.

EFFECTS OF OVEREXPOSURE

EYE CONTACT:

May cause skin sensitization. May cause dermatitis. Causes skin irritation.

EFFECTS OF OVEREXPOSURE

SKIN CONTACT:

Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. Exposure to formaldehyde may cause dry, sore throat; itching and burning of the nose; nasal congestion; cough; chest tightness; and wheezing. May cause respiratory sensitization.

EFFECTS OF OVEREXPOSURE

INHALATION:

Harmful if swallowed. Ingestion is not an expected

EFFECTS OF OVEREXPOSURE



INGESTION:
EFFECTS OF OVEREXPOSURE
CHRONIC HAZARDS:

route of entry in industrial or commercial uses. May cause liver or kidney damage. Repeated or prolonged solvent overexposure may result in permanent central nervous system damage. May affect the gastrointestinal system. May affect the blood and blood-forming organs. Formaldehyde (gas), entrapped in this product, may be released during heating and mixing. It has been identified by NTP, IARC, and OSHA as a potential human carcinogen. Chronic skin contact may cause dermatitis. Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding for humans is uncertain. IARC has designated carbon black as Group 2B – inadequate evidence for carcinogenicity in humans, but sufficient evidence in experimental animals.
Skin contact, Inhalation, Ingestion, Eye Contact

PRIMARY ROUTE(S) OF ENTRY:

SECTION 04: FIRST AID MEASURES

EYE CONTACT:

Flush eyes immediately with large amounts of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

SKIN CONTACT:

Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with water and soap. Get medical attention if symptoms occur.

INHALATION:

Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION:

If swallowed do not induce vomiting. Give victim one or two glasses of water or milk. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious person.

SECTION 05: FIRE FIGHTING MEASURES

FLASH POINT:

66° F, 19° C (Setaflash Closed Cup)

LOWER EXPLOSION LIMIT(%):

1.00

UPPER EXPLOSION LIMIT(%):

11.40

AUTOIGNITION TEMPERATURE:

N.D.

OSHA FLAMMABILITY CLASSIFICATION:

Flammable Liquid Class 1B

EXTINGUISHING MEDIA:

Carbon Dioxide, Dry Chemical, Foam, Water fog. Flammable liquid and vapor. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION
HAZARDS:

SPECIAL FIREFIGHTING PROCEDURES:

Wear full firefighting protective clothing including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.



SECTION 06: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep non-essential personnel a safe distance away from the spill area. Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Use self-contained breathing equipment. Notify proper authorities if necessary. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of this MSDS form.

SECTION 07: HANDLING AND STORAGE

HANDLING REQUIREMENTS:

Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

STORAGE REQUIREMENTS:

Do not store or use near heat, sparks or open flame. Refer to OSHA 29CFR Part 1910.106 "Flammable and Combustible Liquids" for specific storage requirements. Store only in well-ventilated areas. Do not puncture, drag, or slide container. Keep container closed when not in use.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Sufficient ventilation in pattern and volume should be provided in order to maintain air containment levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

RESPIRATORY PROTECTION:

Use a NOISH/MSHA approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

SKIN PROTECTION:

Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYE PROTECTION:

Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.



OTHER PROTECTIVE EQUIPMENT:

Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES:

Wash hands before eating, smoking or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------------|-------------------|
| BOILING RANGE: | 175° - 282° F |
| APPEARANCE: | Gray |
| PHYSICAL STATE: | Liquid |
| ODOR: | Solvent |
| SOLUBILITY IN WATER (% W/W): | Insoluble |
| FREEZING POINT: | N.D. |
| VOLATILE BY WEIGHT: | 75.7% |
| VAPOR PRESSURE: | N.D. |
| COEFFICIENT OF WATER/OIL DISTRIBUTION | N.D. |
| VAPOR DENSITY: | Heavier than air |
| EVAPORATION RATE: | Slower than ether |
| DENSITY, LB/GL: | 7.81 |
| SPECIFIC GRAVITY | 0.94 |
| pH: | N.A. |
| ODOR THRESHOLD: | N.D. |
| VOLATILE BY VOLUME: | 86.9% |

SECTION 10: STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| CONDITIONS TO AVOID: | High temperatures. Sources of ignition. |
| INCOMPATIBILITY: | Strong oxidizers, acids, bases, water. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Carbon dioxide, carbon monoxide, chlorine, hydrogen chloride, Phosgene, Formaldehyde. |
| HAZARDOUS POLYMERIZATION: | Hazardous polymerization will not occur under normal conditions. |
| STABILITY: | Product is stable under normal storage conditions. |

SECTION 11: TOXICOLOGICAL PROPERTIES

| | |
|-----------------------|---------|
| PRODUCT LD50 (ORAL) | No Data |
| PRODUCT LD50 (DERMAL) | No Data |
| PRODUCT LC50 | No Data |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|------------------------|----------------|
| ECOLOGICAL INFORMATION | No Information |
|------------------------|----------------|

SECTION 13: DISPOSAL CONSIDERATION

| | |
|------------------|---|
| DISPOSAL METHOD: | Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility. |
|------------------|---|

SECTION 14: TRANSPORTATION INFORMATION

| | |
|---------------------------|----------|
| DOT PROPER SHIPPING NAME: | Adhesive |
|---------------------------|----------|



DOT HAZARD CLASS: 3
DOT UN/NA NUMBER: UN1133
PACKAGING GROUP: II
EMERGENCY RESPONSE GUIDE #: 127

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS: As follows
OSHA: Hazardous by definition of hazard communication standard (29CFR 1910.1200)

| CHEMICAL NAME | CAS NUMBER | WT % IS LESS THAN |
|------------------------|-------------------|--------------------------|
| Methyl isobutyl ketone | 108-10-1 | 60% |
| Xylene | 1330-20-7 | 15% |
| Ethyl benzene | 100-41-4 | 3.0% |
| Methyl ethyl ketone | 78-93-3 | 2.0% |
| Formaldehyde | 50-00-0 | 1.0% |

TOXIC SUBSTANCES CONTROL ACT: As follows
INVENTORY STATUS: The chemical substances in this product are on the TSCA Section 8 Inventory.
EXPORT NOTIFICATION: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

| CHEMICAL NAME | CAS NUMBER | WT % IS LESS THAN |
|------------------------|-------------------|--------------------------|
| Methyl isobutyl ketone | 108-10-1 | 60% |

INTERNATIONAL REGULATIONS: As follows
CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.
CANADIAN WHMIS CLASS: B2, D2B

HMIS RATINGS: As follows
HEALTH: 2* (*indicates a chronic hazard, see Sec. 3)
FLAMMABILITY: 3
REACTIVITY: 0
REASON FOR REVISION: 0
VOLATILE ORGANIC COMPOUNDS: 5.91 lbs/gallon, 708 grams/liter
LEGEND: N.A. Not Applicable
N.D. Not Determined
N.E. Not Established



SECTION 16: OTHER INFORMATION

The regulatory information given above only indicates the principal regulation specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

Suitable precautionary measures must be taken to ensure that the applicable exposure limits are met in the working area and impairment of health is avoided. Required industrial safety measures, including effective ventilation and exhaust ventilation in the working area must comply with the existing accident prevention rules.

All components of this product are listed in the European Inventory of Existing Commercial Substances (EINECS) under the provisions laid down in the corresponding EEC-Directive.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Our technical advise – whether verbal, in writing or by the way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses.

The applications, use and processing of the products are beyond our control, and therefore, entirely your own responsibility. If, in spite of this, liability should be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

PREPARED BY:

IMTECH Rubber Products, Inc.
1355 West Main Street
Elko, NV 89801

TELEPHONE NUMBER:

800-738-0308

DISCLAIMER:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.