



SAFETY DATA SHEET

HYDRA METAL WRITER

Section 1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name HYDRA METAL WRITER
Intended use Marking ink and oily steel surface

Distributor HYDRA ADMIRAL SDN BHD
 (Co No 1045298-A)
 A-10-16, Blok A, RADIA Office, Persiaran
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 40150 Shah Alam, Selangor

Telephone 603-78313687
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Section 2. INFORMATION OF INGREDIENTS

Organic solvents and single component or mixture

| Component Name | Content % | CAS NUMBER |
|-----------------------|-----------|------------|
| NORMAL PROPYL ALCOHOL | 15-25% | LISTED |
| NORMAL PROPYL ACETATE | 15 -25 % | LISTED |
| GLYCOL ETHER DPM | 15 -20% | LISTED |
| ETHNOL | 25 -35% | LISTED |
| BUTYL CELLOSOLVE | 15-20% | LISTED |

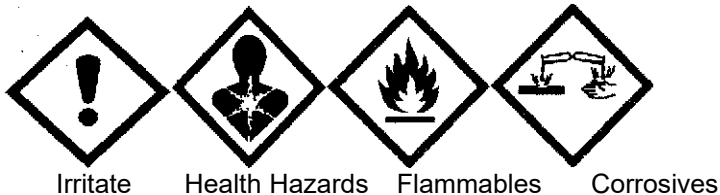
SECTION 3: HAZARD IDENTIFICATION

Harmful if swallowed. Exposure to vapor at high concentrations may have the following effect - nausea, headache, dizziness, systems similar to alcohol intoxication. Eye contamination may result in conjunctiva irritation and possible corneal damage. Prolonged or repeated skin exposure to product containing solvents

may result in dermatitis unless good personal hygiene is observed.

Health studies have shown that many petroleum hydrocarbons pose potential human health risk which may

vary from person to person. As a precaution, exposure to liquids, vapors,.. mist or fumes should be minimized.



Section 4. FIRST AID MEASURES

General - In all cases of doubt or when symptoms persist, seek immediate medical advice. Never give anything by mouth to an unconscious person.

Inhalation - Move to fresh air in cases of accidental inhalation of vapors.

Skin contact - take off all contaminated clothing. Wash off immediately with soap and plenty of water.

Eye contact - Rinse immediately with plenty of water and seek medical advice.
Ingestion - Seek immediate medical attention. Keep a rest. Do not induce vomiting

Section 5. FIRE FIGHTING MEASURES

Extinguishing media - Foam, carbon dioxide, dry powder sand, water spray mist

NO TO BE USED - High volume water jet

Specific hazards - Burning produces irritant fumes, hazardous combustion products. Closed containers may explode at elevated temperature. Reduce pressure and risk of auto ignition and explosion by cooling containers with water spray.

Special protective equipment for fire-fighters - Wear self-contained breathing apparatus.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions - In cases of vapor formation, use respirator.

Environmental precautions - Do not allowed to enter drains or water courses. Contain and collect spillage with inert absorbent material (e.g., Sand, earth) and place in suitable container for disposal in accordance with waste regulations.

Further advice - Clean contaminated surface thoroughly.

Section 7. HANDLING & STORAGE

Handling

Personal protection - avoid skin and eye contact. Good housekeeping and well ventilation will minimize risks.

Storage

Keep away from sources of ignition. No smoking.

Store in well ventilated area and away from direct heat and sunlight.

Keep containers closed and upright Always ensure that product after opened or partially used, lids are well

resealed or closed. Precaution to be taken against possibility of static discharge.

Section 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering measures - All areas should be well ventilated. Use local exhaust ventilation and good general extraction. (Refer to SECTION 2 for exposure controls)

Hygiene measures - Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection - In cases of insufficient ventilation, wear suitable respiratory equipment

Eye protection - Safety glasses.

Skin protection - Chemical resistant synthetic overalls or coveralls.

Hand protection - Chemical or solvent resistant gloves.

Section 9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|-------------------------------|-------------------------------|
| Appearance | Colored liquid |
| Odor | Specific odor |
| pH | No data available |
| Melting Point •Freezing point | No data available |
| Boiling Point | No data available |
| Initial Boiling Point | 78°C or higher |
| Flash Point | 27.3°C |
| Ignition Point | No data available |
| Volatility | Volatile |
| Combustibility | Combustible |
| Combustion or Explosion Range | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Density | 0.85 g/cm ³ (15°C) |
| Solubility | Soluble in water |
| | No data available |

Octanol /Water Partition No data available
Coefficient
Decomposition Temperature

Section 10. STABILITY & REACTIVITY

Stability Product is stable under normal ambient conditions
Material to avoid Strong oxidizing agents
Hazardous decomposition products Carbon monoxide, carbon dioxide, oxides of nitrogen

Section 11. TOXICOLOGICAL INFORMATION

Data is not determined and available on the product itself.

Skin - repeated or prolonged contact : Removal of natural fats from skin, mild irritation
Eye contamination : Irritation and reversible local damage.
Health : Exposure to organic solvent vapors of mucous membrane and respiratory system. Symptoms - headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, unconsciousness. Ingestion may cause irritation, nausea and dizziness

Section 12. ECOLOGICAL INFORMATION

Do not allow product to enter drains and water courses or be deposited where it can affect ground or surface water.

Section 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused product:

Can be incinerated when in compliance with local regulations.
Contaminated packaging:
Empty containers should be disposal of in accordance with local regulation.

Section 14. TRANSPORT INFORMATION

Un No Not available
Hazchem code 3 YE
Designation Flammable liquid
Packaging Group III
Class 3.3

Section 15. REGULATORY INFORMATION

This product is classified and labeled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follow: -

Classification F - Flammable
Risk phrases 10 - Flammable
 22 - Harmful is swallowed

Safety phases 16 - Keep away from sources of ignition - " NO smoking"
 21 - When using do not smoke
 29 - Do not empty into drains

Section 16. OTHER INFORMATION

The information is based on our present state of knowledge. It provides guidance on health, safety and environmental aspects of product. It does not constitute a guarantee for product characteristics and technical performance. As the specific conditions of use of the product is outside of manufacture's supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

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