

MATERIAL SAFETY DATA SHEET

MULTIPURPOSE THINNER

1. IDENTIFICATION

PRODUCT(S): Multipurpose Thinner

Chemical Formula: NA

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2. HAZARDS IDENTIFICATION

Classification:

- **HAZARDOUS SUBSTANCE.**
- **DANGEROUS GOODS.** (According to the criteria of ADG Code and NZ 5433.)

| CLASSIFICATION | GHS CATEGORY | NZ CATEGORY | SIGNAL WORD | HAZARD STATEMENT |
|-------------------------------|-----------------|--------------------------------|----------------|-----------------------------------------------|
| Flammable Liquids | 2 | 3.1B | Danger | Highly flammable liquid and vapour. |
| Aspiration Hazard | 1 | 6.1E (Aspiration Hazard) | Danger | May be fatal if swallowed and enters airways. |
| Skin Corrosion/ Irritation | 3 | 6.3B | Warning | Causes mild skin irritation. |
| Eye Damage/ Irritation | 2A | 6.4A | Warning | Causes serious eye irritation. |

Precautionary Statements:

- 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/ventilation/lighting/equipment.
 - Use only non-sparking tools.
 - Take precautionary measures against static discharge.
 - Wash hands thoroughly after handling.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - IF ON SKIN (or hair): Remove /take off immediately all contaminated clothing. Wash skin with plenty of soap and water.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
 - DO NOT induce vomiting.
 - If skin irritation occurs: Get medical advice/attention.
 - If eye irritation persists: Get medical advice/attention.
 - In case of fire: Use Foam, Carbon Dioxide or Dry Chemical Powder for extinction.
 - Store in a well-ventilated place. Keep cool.
 - Store locked up.
 - Dispose of contents/container in accordance with the relevant government legislation.
- Normally suitable for incineration by an approved agent.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Entity / Hazardous Component | CAS Numbers | Proportion by wt. |
|------------------------------------------|-------------|-------------------|
| Acetone | 67-64-1 | 30 - 60% |
| Solvent Naphtha (petroleum), light arom. | 64742-95-6 | 30 - 60% |
| Xylene | 1330-20-7 | 10 - 20% |
| Methoxy Propyl Acetate | 108-65-6 | <10% |

4. FIRST AID MEASURES

Route of Exposure First Aid Measures

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingestion: | Give a glass of water. Do NOT induce vomiting. Place patients head downwards if vomiting occurs. Prevent it entering lungs, as aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Immediately call a POISON CENTER or doctor/physician. |
| Eye: | Immediately irrigate with large quantities of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Skin: | Wash exposed area thoroughly with soap and water. Remove contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| Inhaled: | Give fresh air, careful not to become a casualty yourself. Remove and loosen clothing. If breathing is normal make patient comfortable and keep warm till recovered. If breathing is difficult ensure the airways are clear and have a qualified person give oxygen from a face mask. If breathing has stopped commence (EAR) and if cardiac arrest has occurred, commence (CPR) and get medical advice/attention urgently. |
| Advice To Doctor: | Treat Symptomatically. |

5. FIRE FIGHTING MEASURE

Suitable Extinguishing Media: Foam, Carbon Dioxide or Dry Chemical Powder.

Hazards from Combustion Products: If involved in a fire, toxic materials such as carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapour, traces of hydrogen cyanide, hydrogen chloride gas, hydrogen fluoride gas, various chlorine and/or fluorine compounds as well as hydrocarbons may form.

Precautions for Firefighters: Heating can cause rupture of containers with explosive force. If safe do so, remove all sources of ignition and any containers from the path of the fire. Keep cool with water spray.

Firefighters should wear self contained breathing apparatus with a full face and operated in the positive pressure mode.

Hazchem Code: 3[Y]E

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: In case of an accidental release or spill, evacuate the danger area. Wear the correct Personal Protective Equipment (See section 8 of SDS). Do not breathe vapours. Extinguish all ignition sources and shut off the source of the spill. Ventilate the area.

Environmental Precautions: Avoid release to the environment by bunding or covering drains.

Containment: Contain and absorb the spill with absorbent material such as sand, soil or vermiculite. Transfer the material into drums, using non-sparking tools. Seal and label the drums. Contact the appropriate waste management authority for disposal.

7. HANDLING AND STORAGE

Precautions For Safe Handling: Wear the correct Personal Protective Equipment (See Section 8 of the SDS) when using this product. Ground the container and receiving equipment whilst using. Only use non-sparking tools and take precautionary measures against static discharge.

Only use in a well-ventilated area or preferably apply the product in a spray paint booth with an adequate exhaust system and explosion-proof electrical, ventilation, and lighting equipment.

Never eat, drink or smoke whilst handling this product. Always wash hands thoroughly after using this product and before smoking, eating, drinking or using the toilet.

Conditions For Safe Storage: Keep containers away from heat/sparks/open flames/ hot surfaces. Store containers in a well-ventilated area and away sources of ignition, oxidising agents and/or foodstuffs. Store containers in a cool place and out of direct sunlight. Keep containers tightly closed when not in use and check regularly for leaks

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

TLV –TWA (mg/m³)

| | |
|------------------------------------------|---------------|
| Acetone | 1185 |
| Solvent Naphtha (petroleum), light arom. | Not Available |
| Xylene | 350 |
| Methoxy Propyl Acetate | 274 |

Engineering Controls: Ensure sufficient ventilation to maintain concentration below exposure standard. Only use in a well ventilated area or preferably apply the product in a spray paint booth with an adequate exhaust system. Keep containers sealed when not in use. Earth any mixing vessels when using this product.

Personal Protection: Skin contact should be avoided by wearing impervious work clothing, boots and Neoprene or PVC gloves. Eyes should be protected by chemical goggles or safety glasses fitted with side shields (Refer to AS/NZS 1337). If an inhalation risk exists, an organic vapour respirator or a self-contained breathing apparatus, with a full face and operated in the positive pressure mode, should be used. Ensure cartridges are correct for

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------------|-------------------------------------|
| Appearance: | Clear thin liquid. |
| Odour: | Strong solvent odour. |
| Odour Threshold: | Not Available |
| pH: | Not Applicable. |
| Melting Point/Freezing Point: | Not Applicable |
| Boiling Point Range: | 56 – 145°C |
| Flash Point: | -18°C (Open Cup) |
| Evaporation Rate: | 0.40 - 6.30 (Butyl Acetate = 1) |
| Flammability: | Highly flammable liquid and vapour. |
| Flammability Limits: | 1 (LEL) to 13% (UEL) by volume |
| Vapour Pressure: | 24.7 kPa @ 20°C |
| Vapour Density: | Not Available |
| Relative Density: | 0.75 – 0.85 |
| Solubility In Water: | Not Available |
| Partition Coefficient: n-octanol/water: | Not Available |
| Auto-ignition Temperature: | 354°C |
| Decomposition Temperature: | Not Available |
| Viscosity: | 10 – 12 seconds B4 Cup @ 25°C |

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under ordinary conditions of use and storage.

Conditions to Avoid: Avoid all ignition sources.

Incompatible Materials: None

Hazardous Decomposition Products: If involved in a fire, toxic materials such as carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapour, traces of hydrogen cyanide, hydrogen chloride gas, hydrogen fluoride gas and various chlorine and fluorine compounds and hydrocarbons may form.

Hazardous Reactions: Not Applicable.

11. TOXICOLOGICAL INFORMATION

There is no data available on this product itself. The following information (where available) relates to the individual ingredients of the product.

Acute Toxicity – Oral:

| Ingredient | Value (LD50) | Species | GHS Category |
|---------------|--------------|---------|--------------|
| Not Available | | | |

Health Effects:

Acute:

Chronic:

Acute Toxicity – Dermal:

| Ingredient | Value (LD50) | Species | GHS Category |
|---------------|--------------|---------|--------------|
| Not Available | | | |

Health Effects:

Acute:

Chronic:

Acute Toxicity – Inhalation:

| Ingredient | Value (LC50) | Species | GHS Category |
|---------------|--------------|---------|--------------|
| Not Available | | | |

Health Effects:

Acute:

Chronic:

Skin Corrosion/Irritation:

GHS Category

Acetone

3

Health Effects: Causes mild skin irritation.

Acute: Causes mild skin irritation.

Chronic: May cause dermatitis and eczema.

Eye Damage/Irritation:

GHS Category

Acetone

2A

Health Effects: Causes serious eye irritation.

Acute: Causes redness, tearing or blurred vision.

Chronic: Will cause discomfort and may cause redness, itching or blurred vision.

Respiratory or Skin Sensitation:

GHS Category

Not Available

Health Effects:

Germ Cell Mutagenicity:

GHS Category

Not Available

Health Effects:

Carcinogenicity:

GHS Category

Not Available

Health Effects:

Toxic To Reproduction:

GHS Category

Not Available

Health Effects:

Specific Target Organ Toxicity (Single Exposure):

Not Available

Health Effects:

GHS Category

Specific Target Organ Toxicity (Repeated Exposure):

Not Available

Health Effects:

GHS Category

Aspiration Hazard

Solvent Naphtha (petroleum), light arom.

GHS Category

1

12.ECOLOGICAL INFORMATION

Environmental Precautions: Avoid release to the environment, the product should not be allowed to enter drains, water courses or the soil.

There is no data available on this product itself. The following information (where available) relates to the individual ingredients of the product.

Hazardous To The Aquatic Environment – Acute Hazard:

Ingredient

Value (LC50)

Species

GHS Category

Not Available

Effects:

Hazardous To The Aquatic Environment – Long Term Hazard:

Ingredient

Value (LC50)

Species

GHS Category

Not Available

Effects:

Exotoxic To Terrestrial Vertebrates:

Ingredient

Value (LD50)

Species

NZ Category

Not Available

Effects:

Persistence and Degradability: No information available.

Bioaccumulative Potential: No information available.

13. DISPOSAL CONSIDERATIONS

Contact the relevant waste management authority. Normally suitable for incineration by an approved agent.

14. TRANSPORT INFORMATION

ADG (Land):

Shipping Name: PAINT

UN Number: 1263

Hazard Class: 3

Subsidiary Risk: Not Applicable

Packaging Group II

Hazchem 3[Y]E

IMGD (Sea):

Shipping Name: PAINT

UN Number: 1263

Hazard Class: 3

Subsidiary Risk: Not Applicable

Packaging Group: II

Marine Pollutant: No

EmS: F-E,S-E

NZS 5433:

Shipping Name: PAINT

UN Number: 1263

Hazard Class: 3

Not

Subsidiary Risk: Applicable

Packaging Group II

Hazchem 3[Y]E

ICAO/IATA (Air):

Shipping Name: PAINT

UN Number: 1263

Hazard Class: 3

Not

Subsidiary Risk: Applicable

Packaging Group II

15. REGULATORY INFORMATION

Poisons Schedule: Schedule 5

HSNO Group Standard: HSR002662 - Surface Coatings and Colourants
(Flammable)

16. OTHER INFORMATION

The above information has been presented in good faith and is accurate to the best of our knowledge, at the time of preparation. All of the information supplied herein is related only to the health and safety issues of the product. Users should assume all responsibility for its use, as the conditions under which this product is used are beyond our control. For technical information on the use of this product users should consult the appropriate Technical Data Sheet.