



MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT(S): **UNI-HARDENER (MS) NORMAL**

Supplier: Concept Paints
Address: Lot 40 Charles Street St Marys 2760
Telephone Number: +61 2 96732555
Emergency Telephone: +61 2 96732555 (Monday to Friday 8am to 5pm)
Recommended Use: Automotive Refinish

HAZARDS IDENTIFICATION

Classification:

- **HAZARDOUS SUBSTANCE.**
- **DANGEROUS GOODS.**
- **IRRITANT.**

According to the criteria of ASCC/NOHSC and the ADG Code.

Risk Phrases: R43 May cause sensitisation by skin contact. R10 Flammable.

Safety Phrases: S9 Keep container in a well-ventilated place. S16 Keep away from sources of ignition – No smoking. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash with plenty of soap and water. S29 Do not empty into drains. S33 Take precautionary measures against static discharge. S37/39 Wear suitable gloves and eye/face protection. S38 In case of insufficient ventilation, wear suitable respiratory equipment. S45 In case of accident or if you feel unwell, seek medical advice immediately.

INGREDIENTS

Chemical Entity / Hazardous Component	CAS Numbers	Proportion by wt.
Aliphatic Polyisocyanate	28182-81-2	30 - 60%
N-Butyl Acetate	123-86-4	30 - 60%
Methoxy Propyl Acetate	108-56-6	10 - <30%

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, to prevent it entering lungs .As aspiration of material into lungs can be fatal, causing chemical pneumonitis. Seek medical aid.

Eye: Immediately irrigate with large quantities of water for at least 15 minutes. Seek medical advice.

Skin: Wash exposed area thoroughly with soap and water. Remove contaminated clothing.

Inhaled: Give fresh air, careful not to become a casualty yourself. Remove and loosen clothing. If breathing normally make patient comfortable and keep warm till recovered. If breathing is difficult ensure airways are clear and have a qualified person give oxygen from a face mask. If breathing has stopped commence (EAR), if cardiac arrest commence (CPR) and seek medical aid urgently.

Advice To Doctor: Treat Symptomatically.

FIRE FIGHTING MEASURES

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

Hazards from Combustion Products: When burning toxic materials such as carbon monoxide, carbon dioxide, various hydrocarbons, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide may form.

Precautions for Firefighters: Heating can cause rupture of containers with explosive force. If safe do so, remove containers from the path of the fire and 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

ACCIDENTAL RELEASE MEASURES

Emergency Procedures: In the case of a spill extinguish all ignition sources and shut off the source of the spill. Ventilate the area and wear the correct Personal Protective Equipment.

Containment: Contain and absorb the spill with absorbent material such as sand, soil or vermiculite. Prevent its entry into drains. Transfer the material into drums, using non-sparking tools. Do not seal the drums, due to the evolution of Carbon Dioxide. Contact the appropriate waste management authority for disposal.

HANDLING AND STORAGE

Handling: Wear the correct Personal Protective Equipment when using this product. Only use in a well ventilated area or preferably apply the product in a spray paint booth with an adequate exhaust system.

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

Safe Storage: Store containers in a cool place and out of direct sunlight. Store in a well ventilated area and away sources of ignition, oxidising agents and/or foodstuffs. Keep containers tightly closed when not in use and check regularly for leaks.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	TLV –TWA (mg/m ³)
Aliphatic Polyisocyanate	0.5
N-Butyl Acetate	713
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. If an inhalation risks 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 the potential air contamination.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear thin liquid.
Odour:	Strong solvent odour.
pH:	Not applicable.
Vapour Pressure:	1.2 kPa @ 20°C
Vapour Density:	Not Available
Boiling Point Range:	96 – 145 °C
Melting Point:	Not Applicable
Solubility In Water:	Not Available
Specific Gravity:	0.95 – 1.05
Flammability Limits:	1 (LEL) to 8% (UEL) by volume
Flash Point:	22 °C (Closed Cup)

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: When burning toxic materials such as carbon monoxide, carbon dioxide, various hydrocarbons, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide may form.

Hazardous Reactions: Exothermic reaction with amines and alcohols. Reacts slowly with water forming Carbon Dioxide.

TOXICOLOGICAL INFORMATION

Acute Health Effects:

Ingestion: Can result in headaches, nausea, vomiting and diarrhoea.

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

Skin: May cause irritation to skin.

Inhaled: Vapour concentrations above exposure limits may be irritating to the eyes and respiratory tract, may cause headaches and dizziness. Prolonged exposure may result in unconsciousness.

Chronic Health Effects:

Ingestion: May cause irritation to the mucous membranes of the digestive system. May result in damage to the liver and kidney, blood disorders and may affect the central nervous system.

Eye: May cause redness, tearing or blurred vision.

Skin: May cause dermatitis and eczema.

Inhaled: Vapour concentrations above exposure limits may cause irritation to the mucous membranes of the respiratory system. May result in damage to the liver and kidney, blood disorders and may affect the central nervous system.

ECOLOGICAL INFORMATION

Prevent the entry of this product and any chemically contaminated water into drains. Dispose of any contaminated water and soil in accordance with the relevant waste management authority.

DISPOSAL CONSIDERATIONS

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

TRANSPORT INFORMATION

UN Number:	1263	DG Class:	3
Shipping Name:	PAINT	Subsidiary Risk:	
Packaging Group	II	Hazchem	3[Y]E

REGULATORY INFORMATION

Poisons Schedule: Not Scheduled

OTHER INFORMATION

Date of Issue: 18/08/09
Replaces Issue Dated: 24/06/09

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.

END OF MSDS