

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: METPREP LTD.
CURRIERS CLOSE
CHARTER AVENUE
COVENTRY CV4 8AW

TELEPHONE: PRODUCT INFORMATION: 024 7642 1222

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CHEMICAL NAME:

PRODUCT: CLEAR PROTECTIVE LACQUER

PRODUCT NUMBERS: 11 30 25

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NATURE:

INGREDIENT (S):	CAS NUMBER:	%:	SYMBOL	R PHRASES
Propan-2-ol	67-63-0	< 30.0	F+; Xi	R11, 36, 67
N-butyl acetate	123-86-4	< 20.0		R10
Dimethyl ether	115-10-6	< 40.0	F +;	R12
Non hazardous constituents		< 20.0		

3. HAZARDS IDENTIFICATION

Extremely flammable. Irritating to eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness tiredness, nausea and vomiting. Prolonged skin contact may defat the skin and produce dermatitis

4. FIRST AID MEASURES**Eye Contact:**

Immediately flush eyes with large amounts of water. Get immediate medical attention.

Skin Contact:

Flush skin with large amounts of water. If irritation persists, get medical attention.

Inhalation:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

Ingestion:

Do not induce vomiting. Drink two glasses of water. Call a medical doctor.

5. FIRE FIGHTING MEASURES

Flammable. Vapors or gases may travel considerable distance to ignition source and flash back.

FIRE & EXPLOSION HAZARDS: Fine mists or sprays may be flammable at temperatures below the flash point. May polymerize on heating. Sealed containers may rupture explosively if hot.

EXTINGUISHING MEDIA: Water spray, foam, dry powder or CO₂. Keep fire exposed containers cool by spraying with water.

FIRE FIGHTING PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

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SPECIFIC HAZARDS: Burning produces irritant fumes : carbon monoxide, carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition. Ensure suitable personal protection (including respiratory protection) during removal of spillages. Prevent entry into drains. Adsorb spillages onto sand, earth or any suitable adsorbent material. Do not adsorb onto sawdust or other combustible materials. Transfer to a container for disposal or recovery. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING: Observe precautions found on the label. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment.

HANDLING: Avoid contact with skin and eyes.
Avoid inhalation of high concentration of vapors. Use only in well ventilated areas.
Take precautionary measures against static discharges.

STORAGE: Keep only in original container. Store in cool, dry place away from heat, sparks, flame and direct sunlight.
Keep container closed to prevent water absorption and contamination. Keep away from sources of ignition – No Smoking.

IMPORTANT: Aerosol container contains flammable gas under pressure. Extremely flammable gas and liquid.

STORAGE TEMPERATURE: Preferably not exceeding 49 °C.

INDUSTRIAL HYGIENE PRACTICES: Wash face and hands thoroughly with the soap and water after use and before eating, drinking, smoking or applying cosmetics.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Considerations should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

The following information is given as general guidance.

RESPIRATORS: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. A suitable mask with filter type A may be appropriate. In the event of formation of particularly high levels of vapour a self-contained breathing apparatus may be appropriate.

EYE PROTECTION: Safety glasses or chemical splash goggles.

GLOVES: Wear suitable gloves. PVA/Polyethylene laminate and supported PVA gloves offer the best protection. Gloves should be changed regularly and if excessive exposure has occurred.

OTHER: Wear suitable protective clothing.

OCCUPATIONAL EXPOSURE LIMITS:

HAZARDOUS INGREDIENT (S):	PEL (OSHA) :	TLV (ACGIH) :	COMPANY
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RECOMMENDATION:

Propan-2-ol

UK HSE TWA: 400 ppm; 999 mg/m³ OES Long term(8Hrs)

UK HSE STEL: 500 ppm; 1250 mg/m³ OES Short term (15min)

N-Butyl acetate

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UK HSE TWA: 150 ppm; 724 mg/m³ OES Long term(8Hrs)
 UK HSE STEL: 200 ppm; 966 mg/m³ OES Short term (15min)

Dimethyl Ether

UK HSE TWA: 400 ppm; 766 mg/m³ OES Long term(8Hrs)
 UK HSE STEL: 500 ppm; 948 mg/m³ OES Short term (15min)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour	Light brown liquid in aerosol container with characteristic odour
pH:	Not applicable
Boiling Point:	Not determined
Melting point:	Not determined
Flash Point:	<0°C
Auto-flammability:	425°C
Vapour pressure:	44 hPa
Water Solubility:	Immiscible
Specific gravity:	0.65 water
Bulk density:	792 mg/m ³
Volatile organic compounds:	Not determined
Evaporation rate:	Not determined
Viscosity:	25 mPa.s
Percentage volatile:	Not determined

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Heat and ignition sources; contamination.

INCOMPATIBILITY (MATERIALS TO AVOID): Acetylene, Chlorine, Hydrogen Chloride, Oxygen

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if stored and applied as directed

HAZARDOUS POLYMERIZATION:

CONDITIONS TO AVOID FOR HAZARDOUS POLYMERIZATION: Not applicable

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Propan-2-ol LD50/oral/rat = 5.05 g/kg
 Butyl Acetate LD50/oral/rat = 14.1 g/kg

LOCAL EFFECTS: May cause skin irritation in susceptible persons.

SENSITISATION: May cause sensitisation by skin contact

LONG TERM TOXICITY: Liver damage may occur.

CHRONIC TOXICITY: Effects of excessive exposures may include liver toxicity

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION: Not determined

PERSISTENCE AND DEGRADATION: Not inherently biodegradable

TOXICITY: Not determined

EFFECTS ON EFFLUENT TREATMENT: Not determined.

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13. DISPOSAL CONSIDERATIONS

Special instructions:

Incinerate in a facility licensed to handle hazardous waste and in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a landfill/waste disposal site. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

14. TRANSPORTATION

UN Number	UN1950		
UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION			
Substance Identification Number:	UN1950		
Class:	2.1	IMDG Page	2102
EM-S	2-13	MFAG	310
Proper Shipping Name:	Aerosol dispensers		
CDG-ROAD (if applicable)	Not applicable		
ADR/RID CLASSIFICATION			
Class:	2.0		
Item Number:	5 f		
ICAO/IATA CLASSIFICATION			
Class:	2.1	UN/ID No:	1950
Sub-Risk:	Not applicable		
Packing Group:	Not applicable		
Proper Shipping Name:	Aerosols, 30		

15. REGULATORY INFORMATION

EC REGULATIONS –
 EINECS: all chemical listed
 EEC Classification: FLAMMABLE AND IRRITANT
 Symbol: Indication of Danger



F Highly Flammable



Xi Irritant

Risk Phrase:	R 12	Extremely flammable.
	R 36	Irritating to eyes

Safety Phrases:	S 16	Keep away from sources of ignition. No smoking.
	S 25	Avoid contact with eyes.
	S 33	Take precautionary measures against static discharge.

16. ADDITIONAL INFORMATION

This data sheet was prepared in accordance with Directive 91/155/EEC.

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