

<b>MATERIAL SAFETY DATA SHEET</b>
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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

TELEPHONE: PRODUCT INFORMATION: 024 7642 1222

FAX: 024 7642 1192

CHEMICAL NAME:

PRODUCT: MOULD RELEASE SPRAY

PRODUCT NUMBERS: 11 30 23

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NATURE:  
Phenolic moulding compound (two step resin)

INGREDIENT (S):	CAS NUMBER:	%:	HAZARD SYMBOL:	R PHRASES:
Butane		10 - 25	F+	R-12
Propan-2-ol		25 - 50	F+	R-12
Blend of proprietary aliphatic Hydrocarbon solvents (low hexane)		25 - 50	Xn,F	R-65-11

**3. HAZARDS IDENTIFICATION**

Prolonged or repeated exposure to products containing refined mineral oil or HBPF distillates may result in dermatitis unless good personal hygiene is used.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material. Deliberately concentrating or inhaling contents of this container is dangerous and can be fatal.

**Extremely flammable**

**4. FIRST AID MEASURES**

GENERAL INFORMATION: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.

EYE: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart. Seek medical advice.

INGESTION: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

**5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA: recommended: Carbon dioxide, dry powder, halogenated hydrocarbons, sand & powder foam. Use a water fog to keep cans cool.

UNSUITABLE EXTINGUISHING MEDIA: high pressure water-jet

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

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**FURTHER INFORMATION:** Pressurized container may explode in a fire. Thermal decomposition will generally present a heavy smoke hazard containing silica particles.

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7 & 8.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow large quantities to enter drains or water courses. If it does local water companies should be notified.

**METHODS OF CLEANING UP:** Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with waste regulations.

### 7. HANDLING AND STORAGE

**HANDLING:** Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standards. Use non sparking tools and exclude sources of heat, ignition and direct sunlight. No smoking.

Avoid skin and eye contact. For personal protection see section 8. Good housekeeping and regular removal of waste materials will minimize risks. Observe the label precautions.

**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:**

**STORAGE TEMPERATURE:**

**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

**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:**

CAS No:	Material	Type	OES 8hr Unit		OES 15 min	Unit
	Butane, IsoButane		600	ppm	750	ppm
	Proprietary Blend of					
	Aliphatic Hydrocarbon Solvents		300	ppm		

**ENGINEERING MEASURES:** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulate and solvent vapour below the OEL, suitable respiratory protection must be worn.

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORS:** Air fed respiratory equipment should be worn when sprayed if levels cannot be controlled. Below OEL's and engineering methods cannot be reasonably controlled.

**EYE PROTECTION:** Eye protection designed to protect against liquid splashes should be worn.

**GLOVES:** Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.

**OTHER:** Cotton or cotton/synthetic overalls or coveralls, are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

**PROTECTIVE MEASURES:** Do not breathe vapours/dust. Keep away from sources of ignition – No smoking. Avoid contact with skin, eye & clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**FORM:** Aerosol Liquid

**COLOUR:** Clear

**ODOUR:**

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pH	NA at 20 °C	
BOILING POINT:	NA °C	
MELTING POINT:	NA °C	
FLASH POINT:	<0 °C	
IGNITION TEMPERATURE:	>450 °C	DIN 51794
VAPOUR PRESSURE:	NA at 20 °C	
DENSITY:	NA g/cm <sup>3</sup>	ISO 1183
WATER SOLUBILITY:	Immiscible	
MISCIBILITY WITH WATER:	NA	
VISCOSITY:	NA at 25 °C	

**10. STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Stable under the recommended storage and handling conditions (see section 7).

INCOMPATIBILITY (MATERIALS TO AVOID): Keep away from oxidizing agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction.

HAZARDOUS DECOMPOSITION PRODUCTS: In a fire, hazardous decomposition products such as smoke, carbon monoxide and oxides of nitrogen may be produced.

**11. TOXICOLOGICAL INFORMATION**

There is no data available on the product itself. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and adsorption through the skin. Splashes in the eye may cause irritation and reversible local damage.

**12. ECOLOGICAL INFORMATION**

There is no data available on the product itself. Large quantities of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product

**13. DISPOSAL CONSIDERATIONS**

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

**14. TRANSPORTATION**

LAND TRANSPORT:			
ADR			
REGULATION:	SI Number 1950	Class 9	
RID:			
REGULATION:			
AIR TRANSPORT –			
IATA CLASS:			
REGULATION			
OCEAN TRANSPORT –			
REGULATION	UN Number 1950	Main risk:	Flammable IMDG Page No: 9022
	EmS: 2 - 13	MFAG No.: 260***	Marine pollutant: No
Shipping Name: Aerosol Dispensers Nos			

**15. REGULATORY INFORMATION**

CLASSIFICATION:	F+	Extremely flammable
RISK PHRASES:	R-12:	Extremely flammable

