



**FEATURE BUILDER - REGULAR & SOLVENT**

**PROTECTIVE MEASURES IN FIRE**

Use air-supplied respirator during fire fighting.

**6 ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Avoid inhalation of vapours and contact with skin and eyes. Do not smoke, use naked flames or other sources of ignition.

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

**SPILL CLEAN UP METHODS**

Clean-up personnel should use respiratory and/or liquid contact protection. Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material.

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Risk of vapour concentration on the floor and in low-lying areas. Do not eat, drink or smoke when using the product.

**STORAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Keep containers tightly closed. Store in tightly closed original container in a dry and cool place.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3

**PROTECTIVE EQUIPMENT**



**PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level.

**ENGINEERING MEASURES**

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

**RESPIRATORY EQUIPMENT**

In case of inadequate ventilation use suitable respirator.

**HAND PROTECTION**

Use suitable protective gloves if risk of skin contact.

**EYE PROTECTION**

Goggles/face shield are recommended.

**OTHER PROTECTION**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**HYGIENE MEASURES**

Use appropriate skin cream to prevent drying of skin. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

**SKIN PROTECTION**

Wear apron or protective clothing in case of contact.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear liquid
COLOUR	Colourless
ODOUR	Odour of alcohol
SOLUBILITY	Completely soluble in water

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BOILING POINT (°C)	64-67 760 mm Hg	RELATIVE DENSITY	0.800 H2O=1 20
VAPOUR DENSITY (air=1)	>1	VAPOUR PRESSURE	100 mmHg 21
VOLATILE BY VOL. (%)	97	FLASH POINT (°C)	11 CC (Closed cup).

**10 STABILITY AND REACTIVITY**

## STABILITY

Stable under normal temperature conditions and recommended use.

## CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

## HAZARDOUS POLYMERISATION

Will not polymerise.

## MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances. Strong reducing agents.

## HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

**11 TOXICOLOGICAL INFORMATION**

## TOXICOLOGICAL INFORMATION

This material is toxic.

## INHALATION

Vapour from this chemical can be hazardous when inhaled.

## INGESTION

Toxic: danger of serious damage to health by prolonged exposure if swallowed.

## SKIN CONTACT

May be absorbed through the skin.

## EYE CONTACT

May cause severe irritation to eyes.

## HEALTH WARNINGS

Toxic through skin absorption (percutaneous).

**12 ECOLOGICAL INFORMATION**

## ECOTOXICITY

Little danger to the environment.

## BIOACCUMULATION

Will not bio-accumulate.

## DEGRADABILITY

The product is biodegradable.

**13 DISPOSAL CONSIDERATIONS**

## GENERAL INFORMATION

The packaging must be empty (drop-free, when inverted)

## DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

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PROPER SHIPPING NAME	FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL, PROPAN-2-OL)		
UN NO. ROAD	1992	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	HAZARD No. (ADR)	336
ADR LABEL NO.	3 & 6.1	HAZCHEM CODE	3WE
CEFIC TEC(R) NO.	30GFT1-II	RID CLASS NO.	3
RID PACK GROUP	II	UN NO. SEA	1992
IMDG CLASS	3	IMDG PAGE NO.	3 & 6.1
IMDG PACK GR.	II	EMS	F-E, S-D
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1992	AIR CLASS	3
AIR SUB CLASS	6.1	AIR PACK GR.	II

**15 REGULATORY INFORMATION**

**LABELLING**



Toxic



Highly Flammable

**CONTAINS**

METHANOL

**RISK PHRASES**

R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R11	Highly flammable.

**SAFETY PHRASES**

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S27	Take off immediately all contaminated clothing.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S36/37	Wear suitable protective clothing and gloves.
S60	This material and its container must be disposed of as hazardous waste.
P11	Restricted to professional users.

**16 OTHER INFORMATION**

REVISION DATE                      AUGUST 2005

**RISK PHRASES IN FULL**

R11	Highly flammable.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.