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## SAFETY DATA SHEET

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Product Name: METHOXY PROPOXY PROPANOL (Dowanol DPM)
- Datasheet Number: METHOXY PROPOXY PROPANOL
- Chemical Name: Dipropylene Glycol Monomethyl Ether
- REACH Registration No.: 01-2119450011-60-XXXX
- CAS No.: 34590-94-8
- EC No.: 252-104-2

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Solvent, Intermediate, Formulation, Coatings, Cleaning agents, Oilfield chemicals, Metal working, Agrochemicals, Water treatment, Laboratories.

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Craftovator Ltd
- Address of Supplier: Fleetwood House  
1 Albion Cl  
Slough  
SL2 5DT
- Telephone: +44 (0) 1753 978877
- Email: info@craftovator.co.uk

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- The product is not classified as hazardous according to directive 1999/45/EEC
- The product is not classified as hazardous according to Directive (EC) No 1272/2008

#### 2.2 Label elements

- None
- Hazard statements  
Not classified
- Precautionary statements  
Do not get in eyes, on skin, or on clothing.  
Do not eat, drink or smoke when using this product.
- Risk Phrases  
Not applicable



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## SECTION 2: Hazards identification (....)

- Safety Phrases  
After contact with skin, wash immediately with plenty of soap and water  
Avoid contact with skin and eyes

### 2.3 Other hazards

- Mildly irritating to eyes

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

- DIPROPYLENE GLYCOL MONOMETHYL ETHER,  
METHOXY PROPOXY PROPANOL  
Concentration: >98%  
CAS Number: 34590-94-8  
EC Number: 252-104-2  
H Statements:  
Symbols:

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water (S27/28)
- If skin irritation occurs: Get medical advice/attention.
- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes and get medical attention
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label
- Give 200-300mls (half pint) water to drink

### 4.2 Most important symptoms and effects, both acute and delayed

- Mildly irritating to skin and eyes

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Unsuitable extinguishing media - High Volume Water Jet

### 5.2 Special hazards arising from the substance or mixture

- Vapours may ignite

### 5.3 Advice for firefighters

- Wear full protective clothing including chemical protection suit
- Do not use water jet



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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing.

### 6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses
- In case of leakage, eliminate all ignition sources.

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Collect as much as possible in clean container for reuse or disposal
- Wash thoroughly after dealing with spillage

### 6.4 Reference to other sections

- See Section 7 for information on safe handling.
  - See Section 8 for information on personal protective equipment.
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- The usual precautions for handling chemicals should be observed
- Keep away from heat and sources of ignition
- Avoid contact with oxidising substances
- Avoid contact with air
- Peroxides can form with atmospheric oxygen. This is relevant if stored at above ambient temperature or if stored for long periods

### 7.2 Conditions for safe storage, including any incompatibilities

- Keep away from oxidising substances
- Keep cool. Protect from sunlight.
- May form peroxides on prolonged storage if air is present

### 7.3 Specific end use(s)

- See Section 1
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- WEL (short term): 150 ppm
- WEL (long term): 50 ppm
- DNEL (dermal): 65 mg/kg
- DNEL (inhalational): 310 mg/m<sup>3</sup>
- Note - DNEL values are for Workers only not consumers
- PNEC 19 mg/l freshwater
- PNEC 1.9 mg/l seawater
- PNEC 70.2 mg/kg freshwater

### 8.2 Exposure controls

- No special precautions are required for this product but if vapour levels exceed the WEL respiratory protection will be required.
  - Chemical gloves, goggles and appropriate skin protection should be worn when handling
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## SECTION 8: Exposure controls/personal protection (....)

### 8.3 Occupational exposure controls

- Wear suitable protective clothing

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Ether Like
- Appearance: Clear Liquid
- Boiling point 189.6 °C
- Vapour pressure 0.4 hPa at 20 deg C
- Vapour density (air = 1): @5.1
- Melting point < minus 83 °C
- Completely soluble in water
- Relative Density 0.9539 at 20°C
- Flash point 75 deg C
- Auto-ignition temperature 207 deg C
- Log Pow: 0.004
- Viscosity 4.55 mm<sup>2</sup>/s at 20 deg C

### 9.2 Other information

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- Stable under normal temperature conditions and recommended use
- If stored for long periods at ambient temperature peroxides may be formed. This will be accelerated at higher temperatures.

### 10.2 Chemical stability

- Stable at normal temperature conditions and recommended use.
- May form peroxides on exposure to air which if then concentrated by distillation may explode

### 10.3 Possibility of hazardous reactions

- This material is not hazardous

### 10.4 Conditions to avoid

- Avoid contact with oxidising substances
- Keep away from heat and sources of ignition
- Keep away from moist air or water
- Avoid contact with air

### 10.5 Incompatible materials

- Incompatible with strong oxidizing substances

### 10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects



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**SECTION 11: Toxicological information (....)**

- LD50 (oral, rat): >4000 mg/kg
  - LD50 (skin, rabbit): 9510 mg/kg
  - LC50 (inhalation) : 3.35 mg/l
  - Aspiration hazard
  
  - Inhalation
    - Not hazardous
  
  - Contact with skin
    - Not hazardous
    - May cause irritation
  
  - Contact with eyes
    - May cause irritation
  
  - Ingestion
    - Not classified as hazardous but the ingestion of significant quantities should be referred to a physician.
  
  - Carcinogenicity
    - No evidence of carcinogenic effects
  
  - Teratogenicity
    - No evidence of reproductive effects
  
  - Mutagenicity
    - No evidence of mutagenic effects
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**SECTION 12: Ecological information**

## 12.1 Toxicity

- LC50 (fish): 10000 mg/l (96 hr)
- EC50 (Daphnia magna): 1919 mg/l (48 hr)
- IC50 (algae): 1000 mg/l (72 hr)

## 12.2 Persistence and degradability

- Readily biodegradable

## 12.3 Bioaccumulative potential

- Low bioaccumulation potential

## 12.4 Mobility in soil

- Completely soluble in water

## 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

## 12.6 Other adverse effects

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**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

- Incineration by an approved method could be considered
- To be disposed of as hazardous waste



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**SECTION 14: Transport information**

## 14.1 UN number

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## 14.2 UN proper shipping name

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## 14.3 Transport hazard class(es)

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## 14.4 Packing group

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## 14.5 Environmental hazards

- On available data, substance is not harmful to the environment

## 14.6 Special precautions for user

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

## 14.8 Emergency Action Code

- Proper Shipping Name:
- EAC:

## 14.9 Road/Rail (ADR/RID)

- Proper Shipping Name:
- ADR UN No.:
- ADR Hazard Class:
- ADR Item No.:
- ADR/RID No.:
- Tremcard:
- Tunnel Code:

## 14.10 Sea (IMDG)

- Proper Shipping Name:
- IMDG UN No.:
- IMDG Hazard Class:
- IMDG Page No.:
- IMDG Pack Group.:
- IMDG EmS:
- IMDG MFAG:

## 14.11 Air (ICAO/IATA)

- Proper Shipping Name:
- ICAO UN No.: 5555
- ICAO Hazard Class: 0
- ICAO Packing Group:

## 14.12 DOT / CFR (US Department of Transportation)

- DOT Proper Shipping Name:
- Hazardous Material:



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**SECTION 14: Transport information (....)**

- Hazard Class:
- Identification Number:
- Product RQ (lbs):

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**SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Not hazardous according to current ADR Regulations
- INVENTORIES: EINECS, TSCA, AICS, DSL, ENCS, KECI, PICCS, IECSC - All conformed to

15.2 Chemical safety assessment

A chemical safety assessment has been carried out.

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**SECTION 16: Other information**

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.

--- end of safety datasheet ---

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