

## Section 1: Company and Product Identification

**1.1. Product Identification:** OILFIELD CHEMICAL

**Product Name:** HYDROFLUX 5000

**Application:** Oilfield/Refinery

**1.2. Product use(s) and applications advised against:**

**Product use(s):** CONCENTRATED OILFIELD DEMULSIFIER

**Applications advised against:** Consult technical data sheet

**1.3. Details of the Supplier of the Safety Data Sheet**

**Company:** Chemiphase Oil & Gas Ltd  
Ringtail Place  
Burscough  
Lancashire  
L40 8LA  
**Emergency Response:** CHEMTREC (24 hrs): +44 (0) 1704 894 808

## Section 2: Hazards Identification

**2.1 Classification of the Substance or Mixture**

**Hazard Category:** Flammable Liq Cat 2  
Acute tox, inh. Cat 3  
Acute tox, oral Cat 3  
Acute tox, dermal Cat 3  
Specific target organ tox, single exp. Cat 1

**2.2 GHS Label Elements**

**Signal Word:** Danger

**Hazard Pictograms:**



**Hazard Statements:** H225: Highly flammable liquid and vapour  
H331: Toxic if inhaled  
H301: Toxic if swallowed  
H311: Toxic in contact with skin  
H370: Causes damage to organs

**Precautionary Statements:**

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P241: Use explosion-proof electrical/ventilating/light/.../equipment  
P242: Use only non-sparking tools  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P304+312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P501: Dispose of contents/container in accordance with local /regional /national /international rules.

## 2.3 Other Hazards

Not applicable, none known.

## Section 3: Composition / Information on Ingredients

### 3.1 Hazardous Components

Hazardous substance (name)	CAS#	Weight %
Methanol	67-66-1	20-40
mixed nonionic polyacrylates	9003--08--5	25-44
DDBSA (Dodecylbenzene Sulfonic Acid)	27176-87-0	3-8

### 3.2 Other Information

No further information.

## Section 4: First Aid Measures

### 4.1 Description of First Aid Measures

mixed nonionic polyacrylates

<b>General Info:</b>	Product may give off vapors in affecting the inhalation route. Ensure proper ventilation during application / curing. Seek medical treatment if any excessive exposures result in symptoms.
<b>If ingested:</b>	Rinse mouth. Seek medical attention if symptoms develop. Do not induce vomiting.
<b>If inhaled:</b>	Remove to fresh air. Obtain medical attention if respiratory symptoms or other symptoms develop. Inhalation may result in asthmatic symptoms or respiratory sensitization - monitor closely for symptoms of tightness in chest.
<b>Eye contact:</b>	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.
<b>Skin contact:</b>	Rinse with soap and water thoroughly. Get medical advice if irritation develops or persists. A PEG-400 oil, or corn oil may be an effective skin cleanser.

### 4.2 Most Important Symptoms and Effects, Acute and

<b>Notable Exposure symptoms:</b>	An allergic or asthmatic response (sensitization reaction), may occur in some exposed individuals. If these symptoms occur, seek medical attention immediately.
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## Section 5: Fire Fighting Measures

<b>5.1 Extinguishing Media</b>	Carbon dioxide (CO2), dry chemical, foam.
<b>5.2 Special Hazards Arising from Mixture</b>	Direct fire hazard, highly flammable, gas.vapour flammable with air. Indirect fire hazard
<b>5.3 Advice for Firefighters / Protective equipment</b>	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Direct water spray may spread fire.

## Section 6: Accidental Release Measures

<b>6.1 Personal precautions, protective equipment and procedures:</b>	Clean/wipe up mechanically, manually. Wear appropriate protective equipment and clothing during clean-up operations. Avoid breathing vapors. Ventilate area if easy to do so.
<b>6.2 Environmental Precautions:</b>	Prevent soil and water pollution
<b>6.3 Methods and Materials for Containment and Cleanup</b>	Absorb with a suitable non combustible material
<b>6.4 References to Other Sections</b>	For personal protection, see section 8 of the SDS. For disposal information, Section 13.

## Section 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment.

### 7.2 Recommendations for Storage:

Store in cool area. Store away from strong acids or oxidizing agents. Refer to Section 10.

## Section 8: Exposure Control / Personal Protection

### 8.1 Components with Exposure Control

Substances with Exposure Limits	CAS#	ACGIH-TWA	OSHA-PEL
Methanol	67-56-1	200 PPM	260 mg/m <sup>3</sup> (Ceil)

### 8.2 Exposure Controls

**Engineering Controls:** Ensure proper ventilation in enclosed spaces.

**Work Clothing:** Protective work clothing which covers skin and prevents exposures.

**Eye/face protection:** Safety glasses.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory Protection:** Utilize organic vapor respirator if airborne levels are not maintained below exposure limits, or if ventilation is inadequate.

**Environmental Exposure:** No special considerations. Avoid release of material to surface waters.

**Additional Information:** Observe good chemical hygiene practices. Do not smoke or eat while using this product.

**Information:** Wash hands or exposed skin after using the product. Cutting or grinding of the product may release substances which require monitoring (see chart above).

## Section 9: Physical and Chemical Properties

### 9.1 Physical/Chemical Properties

<b>State:</b> Liquid	<b>Melting Point:</b> Not avail	<b>Freezing Point:</b> (-) 97.8 deg c
<b>Color:</b> Brown	<b>Boiling Point/Range:</b> 145 DEG C	<b>pH:</b> 6.5-7.2
<b>Sp. Grav.</b> 0.85-0.9	<b>Odor:</b>	<b>Water Solubility:</b> miscible
<b>Evaporation rate:</b> 4.1	<b>Flash Point:</b> 52 DEG F	<b>Part. Coeff (n-oct/water):</b> 0.82
<b>Upper Flam Limits:</b> not dete	<b>Lower Flam Limits:</b> not determne	<b>Vapor Pressure:</b> 12.8 kpa
<b>VOC Content (%):</b> na	<b>Viscosity:</b> NA	<b>Autoignition Temp:</b> 464 DEG C

**9.2 Other Information** No further information.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

On heating release of toxic/corrosive/combustible gases/vapours. Upon combustion co and co<sub>2</sub> formed. Violent to explosive reaction with some metal powders and with strong oxidisers.

<b>10.2 Chemical Stability</b>	Hygroscopic
<b>10.3 Possibility of Hazardous Reactions</b>	No additional information available
<b>10.4 Conditions to Avoid</b>	Avoid extreme temperatures, flame, oxidizers, and acids / bases.
<b>10.5 Incompatible Materials</b>	Strong oxidisers, strong acids/bases.
<b>10.6 Hazardous Decomposition</b>	Carbon monoxide, carbon dioxide

## Section 11: Toxicological Information

### 11.1 Information on Toxicological Effects

<b>General Information:</b>	Product has not been tested. Potentially irritating or sensitizing to respiratory system.
<b>Acute Toxicity (Oral):</b>	Not tested. Not expected to pose an acute oral toxicity hazard.
<b>Acute Toxicity (Dermal):</b>	Skin contact is not expected to pose a dermal toxicity hazard.
<b>Acute Toxicity (Inhalation):</b>	No further information.
<b>Skin Corrosion / Irritation:</b>	Skin irritant
<b>Eye Corrosion / Irritation:</b>	Eye / mucous membrane irritant.
<b>Sensitization:</b>	Respiratory and skin sensitization reactions possible.
<b>Carcinogenicity / Mutagenicity:</b>	Product contains ingredients which are suspect carcinogens. Diphenylmethane 4,4'-diisocyanate, and analogous materials have been suspected of causing carcinogenic effects in laboratory animal (GHS Cat 2).

## Section 12: Ecological Information

<b>12.1 Toxicity</b>	Product has not been tested. Product is not expected to have significant deleterious effects on aquatic organisms, due to the nature of MDI and its interaction with water.
<b>12.2 Persistence and Degradability</b>	No specific data available. Product is not expected to rapidly degrade.
<b>12.3 Bioaccumulation Potential</b>	No specific data available. Product is not expected to bioaccumulate in biological tissue.
<b>12.4 Mobility in Soil</b>	No further information available.
<b>12.6 Other information</b>	No further information available.

## Section 13: Disposal Information

### 13.1 Waste Treatment Methods

<b>Product disposal:</b>	Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor.
<b>Container disposal:</b>	Packaging of product may contain small amounts of residual product which can be discarded.
<b>Other considerations:</b>	No further information.

## Section 14: Transport Information

UN: **1230**  
CLASS **3 (6.1)**  
PACKING GROUP **II**

PROPER **Methanol**  
SHIPPING NAME:  
OTHER: **6.1 (contains methanol -toxic substance)**

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**Section 15: Regulatory Information**

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**TSCA:** All components listed on the TSCA 8(b) inventory.

**CERCLA RQ:** Not applicable

**SARA 311/312:** Immediate (acute), delayed (chronic) health hazards.

**SARA 313** Isocyanate compound (N120), ~25%

**California Prop 65** Product contains California Proposition 65 substances in small quantities (carbon black, Substances: cumene, ethylbenzene)

**Canadian DSL:** All substances in product are listed on the DSL.

**WHMIS:** See Section 3 for disclosure substances, if applicable. Product is classified in accordance with WHMIS 2015.

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**Section 16: Other Information**

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**SDS Author:** Product Safety Dept.

**Version Dat**

30/04/2022

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