



## SAFETY DATA SHEET FOSROC SOLVENT 105

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

**Product name** FOSROC SOLVENT 105  
**Product No.** 1567000

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

**Identified uses** Cleaning solvent

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

**Supplier** FOSROC Limited  
Drayton Manor Business Park  
Coleshill Road  
Tamworth  
Staffordshire  
B78 3TL  
Tel. +44 (0) 1827 262222  
Fax. +44 (0) 1827 262444  
enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

+44 (0) 1827 265 279 (08.30 to 17.00hrs Mon - Thu; 08.30 to 16.00hrs Fri)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

**Classification (1999/45/EEC)** Xn;R20/21, R65. Xi;R36/37/38. N;R51/53. R10.

##### Human health

Harmful if swallowed. The liquid may irritate the skin, the eyes and the respiratory tract.

##### Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

##### Physical and Chemical Hazards

The product may form explosive vapours/air mixtures even at normal room temperatures.

#### 2.2. Label elements

**Contains** AROMATIC HYDROCARBON

##### Labelling



Harmful



Dangerous for the environment

##### Risk Phrases

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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<b>Safety Phrases</b>	R65	Harmful: may cause lung damage if swallowed.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37	Wear suitable protective clothing and gloves.
	S51	Use only in well-ventilated areas.
	S57	Use appropriate containment to avoid environmental contamination.
	S60	This material and its container must be disposed of as hazardous waste.
	S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
	S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>AROMATIC HYDROCARBON</b>		<b>60-100%</b>
<b>CAS-No.:</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R20,R21. Xi;R36/37/38. N;R51/53. R10,R67.	
<b>4-HYDROXY-4-METHYLPENTAN-2-ONE</b>		<b>10-30%</b>
<b>CAS-No.: 123-42-2</b>	<b>EC No.: 204-626-7</b>	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Consult a physician for specific advice.

#### Inhalation

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

#### Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

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## Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

## Eye contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

### Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. Irritation of nose, throat and airway. Aspiration of small amounts into lungs may cause bronchopneumonia or pulmonary oedema.

### Ingestion

Nausea, vomiting. Dizziness. Unconsciousness.

### Skin contact

Skin irritation. Mild dermatitis, allergic skin rash.

### Eye contact

Irritation of eyes and mucous membranes.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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

#### Hazardous combustion products

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

#### Unusual Fire & Explosion Hazards

Vapours are heavier than air and may spread near ground to sources of ignition.

#### Specific hazards

Vapours may be ignited by a spark, a hot surface or an ember.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Containers close to fire should be removed immediately or cooled with water.

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet. In case of inadequate ventilation, use respiratory protection. Provide adequate ventilation. Avoid inhalation of vapours and aerosol spray. Remove sources of ignition.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Collect and dispose of spillage as indicated in section 13.

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

Remove sources of ignition. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13. See section 11 for more detailed information on health effects and symptoms.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Wear suitable respiratory protection. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide good ventilation. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Risk of vapour concentration on the floor and in low-lying areas.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep container tightly sealed when not in use. Store out of direct sunlight. Store in closed original container at temperatures between 5°C and 30°C.

#### Storage Class

Flammable liquid storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
4-HYDROXY-4-METHYLPENTAN-2-ONE	WEL	50 ppm	241 mg/m3	75 ppm	362 mg/m3	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate general and local exhaust ventilation.

#### Respiratory equipment

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

Use respiratory equipment fitted with gas filter, type ABEK.

#### Hand protection

Use protective gloves. Chemical resistant protective gloves (EN 374). PVC gloves are recommended.

#### Eye protection

Wear tight-fitting goggles or face shield.

#### Other Protection

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

#### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

#### Skin protection

Wear apron or protective clothing in case of splashes. Flame-retardant, antistatic protective clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### Appearance

Liquid

#### Colour

Colourless.

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<b><u>Odour</u></b>	Aromatic.
<b><u>Solubility</u></b>	Partially soluble in water.
<b><u>Initial boiling point and boiling range (°C)</u></b>	150 - 190°C
<b><u>Relative density</u></b>	0.9 at 20°C
<b><u>Vapour pressure</u></b>	
kPa	
<b><u>Evaporation rate</u></b>	0.2 (Butyl acetate = 1)
<b><u>Flash point (°C)</u></b>	43°C CC (Closed cup).
<b><u>Auto Ignition Temperature (°C)</u></b>	500°C
<b><u>Flammability Limit - Lower(%)</u></b>	1.0 %
<b><u>Flammability Limit - Upper(%)</u></b>	7.0 %

### **9.2. Other information**

Not available.

## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

### **10.2. Chemical stability**

No particular stability concerns. Avoid Heat, sparks, flames.

### **10.3. Possibility of hazardous reactions**

#### **Hazardous Polymerisation**

Not relevant

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

Strong oxidising substances. Strong bases

### **10.6. Hazardous decomposition products**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

#### **Inhalation**

Harmful by inhalation.

#### **Ingestion**

May cause nausea, headache, dizziness and intoxication. Ingestion of large amounts may cause unconsciousness.

#### **Skin contact**

Irritating to skin. May cause dermatitis.

#### **Eye contact**

Irritating to eyes.

#### **Health Warnings**

May cause irritation to the respiratory system.

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## Route of entry

Inhalation. Skin and/or eye contact.

## Target Organs

Skin Eyes Respiratory system, lungs

## Toxicological information on ingredients.

### 4-HYDROXY-4-METHYLPENTAN-2-ONE (CAS: 123-42-2)

#### Acute toxicity:

##### Acute Toxicity (Oral LD50)

2520 mg/kg Rat

##### Acute Toxicity (Dermal LD50)

13500 mg/kg Rabbit

##### Acute Toxicity (Inhalation LC50)

1500 ppmV (gas) Rat 4 hours

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### 12.1. Toxicity

##### Acute Fish Toxicity

Toxic to aquatic organisms.

#### 12.2. Persistence and degradability

##### Degradability

Not readily biodegradable, but is inherently biodegradable. Volatile organic compounds undergo photochemical degradation in the atmosphere.

#### 12.3. Bioaccumulative potential

##### Bioaccumulative potential

No data available on bioaccumulation. Bioaccumulative, however with short retention period of the order of one week or less.

#### 12.4. Mobility in soil

##### Mobility:

The product is partly miscible with water and may spread in the aquatic environment. The product contains substances, which are insoluble in water and which may spread on water surfaces. The product contains organic solvents which will evaporate easily from all surfaces.

#### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

#### 12.6. Other adverse effects

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste is suitable for incineration.

#### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

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<u>UN No. (ADR/RID/ADN)</u>	1993
<u>UN No. (IMDG)</u>	1993
<u>UN No. (ICAO)</u>	1993

### 14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATE MIXTURE)

### 14.3. Transport hazard class(es)

<u>ADR/RID/ADN Class</u>	3
<u>ADR/RID/ADN Class</u>	Class 3: Flammable liquids.
<u>ADR Label No.</u>	3
<u>IMDG Class</u>	3
<u>ICAO Class/Division</u>	3

### Transport Labels



### 14.4. Packing group

<u>ADR/RID/ADN Packing group</u>	III
<u>IMDG Packing group</u>	III
<u>ICAO Packing group</u>	III

### 14.5. Environmental hazards

#### Environmentally Hazardous Substance/Marine Pollutant



### 14.6. Special precautions for user

<u>EMS</u>	F-E, S-E
<u>Emergency Action Code</u>	•3Y
<u>Hazard No. (ADR)</u>	30
<u>Tunnel Restriction Code</u>	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

#### Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

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## Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

## Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

## Guidance Notes

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

## EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

## 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

### Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision Date** 24 September 2013

**Revision** 4

### Risk Phrases In Full

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

### 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.