

**SIGMACAP FAST DRY 70**

Version 1

Print Date Jan 2012

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

**Trade name** : SIGMACAP FAST DRY 70  
**Technical data sheet number** : 7854  
  
**Company** : Sigma Paints Saudi Arabia Ltd.  
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Damman 31472  
  
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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	EINECS No	CAS-No.	Symbol(s):	R-phrases(s)	Concentration
xylene	215-535-7	1330-20-7	Xn	R10, R20/21, R38	25.00 - 50.00%
ethylbenzene	202-849-4	100-41-4	F, Xn	R11, R20	2.50 - 10.00%
ethyl methyl ketoxime	202-496-6	96-29-7	Xn	R21, R41, R43, R40	0.00 - 2.50%

*For components with an occupational treshold limit value see chapter 8.*

**3. HAZARDS IDENTIFICATION****Harmful****Hazardous components :**

xylene

**R-phrases(s) :**

FLAMMABLE.  
HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.  
IRRITATING TO SKIN.

**S-phrases(s) :**

Do not breathe spray.  
Wear suitable protective clothing and gloves.  
In case of insufficient ventilation, wear suitable respiratory equipment.

**P-phrases(s) :**

Contains : ethyl methyl ketoxime  
May produce an allergic reaction.

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**4. FIRST AID MEASURES**

- General advice** : When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.
- Eye contact** : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Remove contact lenses. Seek medical advice.
- Skin contact** : Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Inhalation** : Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.
- Ingestion** : If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

**5. FIRE-FIGHTING MEASURES**

- Specific hazards during fire fighting** : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for fire-fighters** : In the event of fire, wear self-contained breathing apparatus.
- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.
- Extinguishing media which must not be used for safety reasons** : Do NOT use water jet.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Use personal protective equipment. Ventilate the area. Refer to protective measures listed in sections 7 and 8. Wear respiratory protection. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Remove all sources of ignition.
- Environmental precautions** : Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up** : Clean with detergents. Avoid solvents. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
- Additional advice** : Refer to section 15 for specific national regulation.

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**7. HANDLING AND STORAGE****Handling**

- Safe handling advice** : Avoid exceeding of the given occupational exposure limits (see section 8). Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Smoking, eating and drinking should be prohibited in the application area. Avoid inhalation of vapour or mist. For personal protection see section 8.
- Advice on protection against fire and explosion** : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. When transferring from one container to another apply earthing measures and use conductive hose material. No sparking tools should be used. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. No smoking. The accumulation of contaminated rags and dry overspray, particularly in spray booth filters, may result in spontaneous combustion. Good housekeeping standards, regular safe removal of waste materials and regular maintenance of spray booth filters will minimise the risks of spontaneous combustion and other fire hazards.

**Storage**

- Requirements for storage areas and containers** : Observe label precautions. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store between 5 and 25°C (41 - 77 F) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Electrical installations / working materials must comply with the technological safety standards. Keep away from sources of ignition - No smoking. Store in accordance with the particular national regulations (see section 15).
- Advice on common storage** : Keep away from oxidising agents and strongly acid or alkaline materials.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Minimum ventilated air quantity for 1 liter of product**

- TO REACH TLV** : 2,196 m<sup>3</sup>/l Basis: MAC (NL)
- TO REACH 10 % LEL** : 105 m<sup>3</sup>/l
- TLV of the product** : 210 mg/m<sup>3</sup> Basis: MAC (NL)

**Components with workplace control parameters**

Components	CAS-No.	Value [mg/m <sup>3</sup> ]	Value [ppm]	Basis
xylene <i>can be absorbed through skin</i>	1330-20-7	210.00	50.00	MAC (NL) TWA
		221.00	50.00	EU ELV TWA
		442.00	100.00	EU ELV STEL
ethylbenzene <i>can be absorbed through skin</i>	100-41-4	215.00	50.00	MAC (NL) TWA
		442.00	100.00	EU ELV TWA
		884.00	200.00	EU ELV STEL

**Personal protective equipment**

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**General advice**

- Respiratory protection** : When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.
- Hand protection** : For prolonged or repeated contact use protective gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact.
- Eye protection** : Chemical resistant goggles must be worn.
- Skin and body protection** : Personnel should wear protective clothing. Skin should be washed after contact. Working clothes must not consist of textiles, which show a dangerous melting behaviour in case of fire. Workers should wear antistatic footwear.

**Additional advice**

- :  
: PPG Internal Safety Code (INSACO)

**Personal protection**

- : Enclosing glasses, safety gloves and P2A2 half-face combi mask

*Please contact your personal protection equipment supplier for further advice*

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form** : viscous
- Colour** : various
- Odour** : strong aromatic
- Flash point** : 28.0°C
- Autoignition temperature** : > 480 °C
- Lower explosion limit** : 1.01 %(V)
- Density** : 1.1 -1.2 g/cm<sup>3</sup>
- Flow time** : >= 60 s  
Transversal section: 6 mm  
Method: ISO 2431 (EN 535) 6 mm CUP

**10. STABILITY AND REACTIVITY**

- Conditions to avoid** : Avoid temperatures above 60°C (140 F), direct sunlight and contact with sources of heat.
- Hazardous reactions** : Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- Hazardous decomposition products** : In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

**11. TOXICOLOGICAL INFORMATION**

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<b>Acute oral toxicity</b>	:	May cause nausea, abdominal spasms and irritation of the mucous membranes.
<b>Acute inhalation toxicity</b>	:	Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects. Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.
<b>Skin irritation</b>	:	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin. The product may be absorbed through the skin.
<b>Eye contact</b>	:	The liquid splashed in the eyes may cause irritation and reversible damage.
<b>Further information</b>	:	There is no data available for this product.

**12. ECOLOGICAL INFORMATION**

<b>Further information</b>	:	The preparation has been assessed following the conventional method of the Dangerous Preparatuons Directive 1999/45/EC and is not classified as dangerous for the environment. See section 2 for details on components.
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**13. DISPOSAL CONSIDERATIONS**

<b>Product</b>	:	The product should not be allowed to enter drains, water courses or the soil. Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
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**14. TRANSPORT INFORMATION**

Transport to be in accordance with ADR for road, IMDG for sea and IATA for air transport:

UN-No	:	1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Label	:	3
Marine Pollutant (IMDG)(P,PP,-)	:	-
EmS (IMDG)	:	3-05
Limited quantity (ADR)	:	Max. per inner pack. : 5.00 L Max. per outer pack. : 45.00 L
Limited quantity (IMDG)	:	Max. per inner pack. : 5.00 L Max. per outer pack. : 30.00 KG

**Note**

If pack sizes less than 450L, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR.

IMDG: Packagings smaller or equal to 450 l, transport according to the provisions of 2.3.2.5

**15. REGULATORY INFORMATION**

<b>Remarks</b>	:	<i>A hard copy of the label is placed in section 3</i>
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**Hazardous components which must be listed on the label:**

- xylene

<b>Symbol(s):</b>	: Xn	Harmful
<b>R-phrase(s)</b>	: R10 R20/21 R38	Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.
<b>S-phrase(s)</b>	: S23 S36/37 S38	Do not breathe spray. Wear suitable protective clothing and gloves. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>P-phrase(s)</b>	: P99	Contains : ethyl methyl ketoxime May produce an allergic reaction.
<b>VOC</b>	: 680 g/l Method: Calculated	
<b>National legislation</b>		
<b>Vlarem</b>	: Vlarem 2A	
<b>CPR Classification</b>	: K3 Xn	
<b>NER Classification</b>	: NER Class O.1: 0.0 %(m) NER Class O.2: 35.9 %(m) NER Class O.3: 0.2 %(m)	

**16. OTHER INFORMATION****Explanation of R-phrases mentioned in section 2**

xylene	R10 R20/21 R38	Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.
ethylbenzene	R11 R20	Highly flammable. Harmful by inhalation.
ethyl methyl ketoxime	R21 R41 R43 R40	Harmful in contact with skin. Risk of serious damage to eyes. May cause sensitization by skin contact. Limited evidence of a carcinogenic effect.

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The information contained in this safety data sheet is based on the present state of knowledge and current national legislation at the date of issue. The company reserves the right to modify data without notice. Any change in data will normally be followed by issue of a new safety data sheet. The user should check the date of issue and if more than 12 months have elapsed, then the data should only be used after checking with our nearest sales office to establish that they are still valid. . As the specific conditions of use of the product are outside the suppliers control, the user is

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responsible for ensuring that the requirements of relevant legislation are complied with. None of the information contained in this safety data sheet can be constructed as a guarantee with regard to the properties of the product described. No liability can be accepted on the basis of this safety data sheet.

After all component(s) stated on the relevant Technical Data Sheet have been mixed the safety precautions mentioned on each of the component(s) safety data sheets and labels should be used in assessing the safety precautions of the mixed product.

For further information see technical data sheet number: 7854