



SAFETY DATA SHEET
CRYSTIC GELCOAT 14PA ORANGE 4305

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME CRYSTIC GELCOAT 14PA ORANGE 4305
 PRODUCT NO. G50243
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2 HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation. Danger of cumulative effects. Irritating to eyes and skin. Limited evidence of a carcinogenic effect. May cause harm to the unborn child. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Rep 1;R61. Xn;R20. Carc 3;R40. Xi;R36/38. N;R51/53. R10, R33.

ENVIRONMENT

The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well.

PHYSICAL AND CHEMICAL HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Vapours/aerosol spray may irritate the respiratory system. Known or suspected carcinogen for humans. Contains ingredients which have cumulative effects.

Toxic to Reproductive Health Categ. 2.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-HYDROXYPROPYL METHACRYLATE	213-090-3	923-26-2	<1%	R43 Xi;R36
COBALT OCTOATE	270-066-5	68409-81-4	<0.2%	Xn;R22. Xi;R38. R43.
LEAD CHROMATE	231-846-0	7758-97-6	2-4%	Carc3;R40 Repr1;R61 Repr3;R62 R33 N;R50/53
MALEIC ANHYDRIDE	203-571-6	108-31-6	<0.2%	C;R34 Xn;R22 R42/43
STODDARD SOLVENT LOW BOILING	232-489-3	8052-41-3	<0.3%	Xn;R65. N;R51/53. R10,R66,R67.
STYRENE	202-851-5	100-42-5	35-40%	R10 Xn;R20 Xi;R36/38

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

Unsaturated polyester resin in reactive solvent.

4 FIRST-AID MEASURES

GENERAL INFORMATION

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

INHALATION

Place unconscious person on the side in the recovery position and ensure breathing. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and take these instructions.

SKIN CONTACT

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

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EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

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

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
STYRENE	WEL	100 ppm	430 mg/m3	250 ppm	1080 mg/m3	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits Due to the hazardous nature of ingredients, exposure should be minimal.

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

CRYSTIC GELCOAT 14PA ORANGE 4305**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid
COLOUR	Varying
ODOUR	Solvent.
SOLUBILITY	Insoluble in water
BOILING POINT (°C)	50-150
RELATIVE DENSITY	1.10 - 1.20 25°C
FLASH POINT (°C)	32 CC (Closed cup).

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight.

HAZARDOUS POLYMERISATION

May polymerise.

MATERIALS TO AVOID

Alkali metals. Strong oxidising substances. Strong acids. Strong alkalis. Organic peroxides/hydroperoxides. Inorganic peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Danger of cumulative effects.

May cause harm to the unborn child.

INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION

Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

May cause temporary eye irritation.

OTHER HEALTH EFFECTS

Carcinogen Category 3. Toxic to Reproductive Health Categ. 2.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand, dispose in licensed hazardous waste.

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14 TRANSPORT INFORMATION



UK ROAD CLASS	3
PROPER SHIPPING NAME	RESIN SOLUTION
UN NO. ROAD	1866
UK ROAD PACK GR.	III
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III
HAZARD No. (ADR)	30
ADR LABEL NO.	3
HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-I+II, 30GF1-sp
RID CLASS NO.	3
RID PACK GROUP	III
UN NO. SEA	1866
IMDG CLASS	3
IMDG PAGE NO.	3
IMDG PACK GR.	III
EMS	F-E, S-E
MFAG	See Guide
MARINE POLLUTANT	No.
UN NO. AIR	1866
AIR CLASS	3
AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Toxic



Dangerous for the environment

CONTAINS

LEAD CHROMATE
STYRENE

RISK PHRASES

R10	Flammable.
R20	Harmful by inhalation.
R33	Danger of cumulative effects.
R36/38	Irritating to eyes and skin.
R40	Limited evidence of a carcinogenic effect.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.

SAFETY PHRASES

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.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

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S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S53	Avoid exposure - obtain special instructions before use.
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.
P1	Contains lead. Should not be used on surfaces that are liable to be chewed or sucked by children.
P11	Restricted to professional users.
P14	Contains 2-HYDROXYPROPYL METHACRYLATE, COBALT OCTOATE, MALEIC ANHYDRIDE. May produce an allergic reaction.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

16 OTHER INFORMATION

REVISION DATE 18/06/2008

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

R34	Causes burns.
R33	Danger of cumulative effects.
R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R61	May cause harm to the unborn child.
R42/43	May cause sensitisation by inhalation and skin contact.
R43	May cause sensitisation by skin contact.
R62	Possible risk of impaired fertility.
R66	Repeated exposure may cause skin dryness or cracking.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.