

Safety Data Sheet

Reference Number:

Issue:

Date: July 2010

1. PRODUCT IDENTIFICATION

CHLORINATED RUBBER – YELLOW

APPLICATION: Intended for use as a brush/spray applied, single component line marking paint.

2. COMPOSITION

Name	EC No.	CAS-No.	Content	Classification (67/548)
Calcium Carbonate		1317-65-3	30-60%	-
Toluene	203-625-9	108-88-3	10-30%	F; R11 Repr. Cat. 3; R63 Xn; R48/20, R65 Xi; R38 R67
C.I. Pigment Yellow 34 (C.I. 77603)	215-693-7	1344-37-2	5-10%	Carc. Cat. 3; R40 Repr. Cat. 1; R61 Repr. Cat. 3; R62/R33 N; R50/53
Xylene	215-535-7	1330-20-7	1-5%	R10 Xn; R20/21 Xi; R38
Iso-Butanol	201-148-0	78-83-1	<1%	R10 Xi; R37/38, R41 R67
Ethyl Methyl Ketoxime	202-496-6	96-29-7	<1%	Carc. Cat. 3; R40 Xn; R21 R43 Xi; R41

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

3. HAZARD IDENTIFICATION

Highly flammable. Danger of cumulative effects. Vapours may cause drowsiness and dizziness. Irritating to skin. Limited evidence of a carcinogenic effect. May cause harm to the unborn child. Possible risk of impaired fertility. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Repr. Cat. 1; R61. Xn; R48/20 Carc. Cat. 3; R40, Repr. Cat. 3; R62. Xi; R38. F; R11. N; R51/53. R33, R67

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.

PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable and explosive vapours/air mixtures may be formed even at normal room temperatures.

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. Toxic to Reproductive Health Category 2. Toxic to Reproductive Health Category 3. Contains components which have cumulative effects.

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 bring along 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.

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

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Vapours are heavier than air and may spread near ground to sources of ignition. 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. Pregnant women should not work with the product, if there is the least risk of exposure.

STORAGE PRECAUTIONS

Flammable/combustible – Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry and cool 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
Calcium Carbonate			10 mg/m ³			
Iso-Butanol	WEL	50 ppm	154 mg/m ³	75 ppm	231 mg/m ³	
Toluene		50 ppm (Sk)	191 mg/m ³ (Sk)	100 ppm (Sk)	384 mg/m ³ (Sk)	
Xylene	WEL	50 ppm	220 mg/m ³	100 ppm	441 mg/m ³	Sk

mg/m³ (Sk)

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin

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 occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT

Provide adequate ventilation. Observe Occupational 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.

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 & CHEMICAL PROPERTIES

APPEARANCE:	Liquid
COLOUR:	Yellow
ODOUR:	Characteristic aromatic hydrocarbons
SOLUBILITY:	Immiscible with water
RELATIVE DENSITY:	1.52 approx. @ 20°C
VAPOUR DENSITY (air=1):	Heavier than air
FLASH POINT (°C):	4°C. CC (Closed Cup)
FLAMMABILITY LIMIT – LOWER (%):	1.2
FLAMMABILITY LIMIT – UPPER (%):	8.0

10. STABILITY & REACTIVITY

STABILITY

No particular stability concerns.

CONDITIONS TO AVOID

Avoid contact with strong oxidisers.

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. May cause harm to the unborn child. Possible risk of impaired fertility. Danger of cumulative effects.

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 Category 2. Toxic to Reproductive Health Category 3.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL INFORMATION

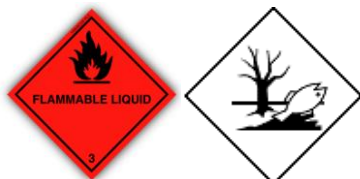
GENERAL INFORMATION

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. Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

14. TRANSPORT INFORMATION



UK ROAD CLASS	3	PROPER SHIPPING NAME	Paint (C.I. Pigment Yellow 34 (C.I.77603)
UN NO. ROAD	1263	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable Liquids
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(D/E)
HAZARD NO. (ADR)	30	ADR LABEL NO.	3
HAZCHEM CODE	-3YE	CEFIC TEC(R) NO.	30GF1-III, 30GF1-sp
RID CLASS NO.	3	RID PACK GROUP	III
UN NO. SEA	1263	IMDG CLASS	3
IMDG PAGE NO.	3	IMDG PACK GR.	III
EMS	F-E, S-E	MFAG	See Guide
UN NO. AIR	1263	AIR CLASS	3
AIR PACK GR.	III		

15. REGULATORY INFORMATION

LABELLING



CONTAINS: Toluene
C.I. Pigment Yellow 34 (C.I. 77603)

RISK PHRASES

R11	Highly Flammable
R33	Danger of cumulative effects
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R61	May cause harm to the unborn child
R62	Possible risk of impaired fertility
R67	Vapours may cause drowsiness and dizziness

SAFETY PHRASES

S9	Keep container in a well-ventilated place
S16	Keep away from sources of ignition – No Smoking
S24	Avoid contact with skin

- S36/37/39** Wear suitable protective clothing, gloves and eye/face protection
S38 In case of insufficient ventilation, wear suitable respiratory equipment
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
S60 This material and its container must be disposed of as hazardous waste
P11 Restricted to professional users
P14 Contains ETHYL METHYL KETOXIME. May produce an allergic reaction
S57 Use appropriate containment to avoid environmental contamination
S61 Avoid release to the environment. Refer to special instructions/safety data sheets

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

16. OTHER INFORMATION

INFORMATION SOURCES

Croner's Emergency Spillage Guide, Croner's Emergency First Aid Guide, Croner's Substances Hazardous to Health.

RISK PHRASES IN FULL

- R33** Danger of cumulative effects
R10 Flammable
R20/21 Harmful by inhalation and in contact with skin
R21 Harmful in contact with skin
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation
R65 Harmful: may cause lung damage if swallowed
R11 Highly Flammable
R37/38 Irritating to respiratory system and skin
R38 Irritating to skin
R40 Limited evidence of a carcinogenic effect
R61 May cause harm to the unborn child
R43 May cause sensitisation by skin contact
NC Not classified
R63 Possible risk of harm to the unborn child
R62 Possible risk of impaired fertility
R41 Risk of serious damage to eyes
R67 Vapours may cause drowsiness and dizziness
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

The above data is provided for your information and your attention is drawn to the appropriate package labelling. Users of the product must ensure its proper use in accordance with good industrial practice, proper medical advice and any official or Government notices or publications. This information is furnished gratuitously independent of any sale or the product and does not form part of any contract for sale, nor does it constitute any representation, warranty or condition of merchantability or fitness for a particular purpose.

EMERGENCY DAYTIME TELEPHONE NUMBER: +44 (0) 1761 414824