

# Safety Data Sheet

Reference Number:

Issue:

Date: February 2010

## 1. PRODUCT IDENTIFICATION

### CHLORINATED RUBBER – WHITE

**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
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. Vapours may cause drowsiness and dizziness. Irritating to skin. Possible risk of harm to the unborn child. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**CLASSIFICATION (1999/45)** Xn; R48/20. Repr. Cat. 3; R63. Xi; R38. F; R11. R67

### ENVIRONMENT

The product is not expected to be hazardous to the environment.

### 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. Risk of serious damage to eyes. Vapours/aerosol spray may irritate the respiratory system. Repeated exposure may cause skin dryness or cracking.

## 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**

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 & 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 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 <sup>3</sup>			
Iso-Butanol	WEL	50 ppm	154 mg/m <sup>3</sup>	75 ppm	231 mg/m <sup>3</sup>	
Toluene		50 ppm (Sk)	191 mg/m <sup>3</sup> (Sk)	100 ppm (Sk)	384 mg/m <sup>3</sup> (Sk)	
Xylene	WEL	50 ppm	220 mg/m <sup>3</sup>	100 ppm	441 mg/m <sup>3</sup>	Sk

### mg/m<sup>3</sup> (Sk)

**WEL** = Workplace Exposure Limit

**Sk** = Can be absorbed through skin

## INGREDIENT COMMENTS

**WEL** = Workplace Exposure Limits

## 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: .....	White
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 (%): .....	1.1
FLAMMABILITY LIMIT – UPPER (%): .....	8.0

## 10. STABILITY & REACTIVITY

### STABILITY

No particular stability concerns.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. 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.

### 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. Gas or vapour is harmful on prolonged exposure or in high concentrations.

### INGESTION

Gastrointestinal symptoms, including upset stomach.

### SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin and eczema. Irritating to skin. May be absorbed through the skin.

### EYE CONTACT

Irritation of eyes and mucous membranes.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the 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. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

## 14. TRANSPORT INFORMATION

### GENERAL

In pack sizes less than 450 litres, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR. In pack sizes up to and including 30 litres, under the terms of 2.3.2.5, this product is not subject to the packaging, labelling and marking requirements of the IMDG Code, but both full documentation and placarding of cargo transport units is still required.



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

## 15. REGULATORY INFORMATION

### LABELLING



**CONTAINS:** Toluene

### RISK PHRASES

<b>R11</b>	Highly Flammable
<b>R38</b>	Irritating to skin
<b>R48/20</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation
<b>R63</b>	Possible risk of harm to the unborn child
<b>R67</b>	Vapours may cause drowsiness and dizziness

### SAFETY PHRASES

<b>S9</b>	Keep container in a well-ventilated place
<b>S16</b>	Keep away from sources of ignition – No Smoking
<b>S24</b>	Avoid contact with skin
<b>S36/37</b>	Wear suitable protective clothing and gloves
<b>S51</b>	Use only in well-ventilated areas
<b>S60</b>	This material and its container must be disposed of as hazardous waste
<b>P14</b>	Contains ETHYL METHYL KETOXIME. May produce an allergic reaction

## 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

<b>R10</b>	Flammable
<b>R20/21</b>	Harmful by inhalation and in contact with skin
<b>R21</b>	Harmful in contact with skin
<b>R48/20</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation
<b>R65</b>	Harmful: may cause lung damage if swallowed
<b>R11</b>	Highly Flammable
<b>R37/38</b>	Irritating to respiratory system and skin
<b>R38</b>	Irritating to skin
<b>R40</b>	Limited evidence of a carcinogenic effect
<b>R43</b>	May cause sensitisation by skin contact
<b>NC</b>	Not classified
<b>R63</b>	Possible risk of harm to the unborn child
<b>R41</b>	Risk of serious damage to eyes
<b>R67</b>	Vapours may cause drowsiness and dizziness

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.

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