

Centrecoat Water Based Line Marking - Yellow

Reference Number:

Issue:

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1. PRODUCT IDENTIFICATION

Centrecoat Water Based Line Marking Paint - Yellow

2. COMPOSITION

	No CAS	EINECS	Weight %	Labelled	Risk Phrases
Toluene	108-88-3	203-625-9	24 – 31%	F, Xn	R11 - 20

3. HAZARD IDENTIFICATION

- Highly Flammable
- Harmful by inhalation of vapour

4. FIRST AID MEASURES**GENERAL MEASURES**

When in doubt, ask for medical advice. Never give anything by mouth to an unconscious person.

IN CASE OF INHALATION

Move subject to fresh air and keep warm and at rest. If breathing stops or shows signs of failing, apply mouth to mouth ventilation. If subject becomes unconscious, place in an appropriate position and seek medical attention immediately.

IN CASE OF EYE CONTACT

If subject uses contact lens, remove them carefully. Flush eyes with a large amount of clean water for at least 10 minutes, holding the eyelids open. Seek medical attention.

IN CASE OF SKIN CONTACT

Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water or an appropriate skin cleaner. **DO NOT** wash with solvents.

IN CASE OF INGESTION

Keep subject at rest and seek medical attention immediately. If breathing stops or shows signs of failing, apply mouth to mouth ventilation. **DO NOT** induce vomiting.

5. FIRE FIGHTING MEASURES**EXTINGUISHING AGENTS**

USE: Foam, Water Spray, Dry Powder, Carbon Dioxide
DO NOT USE: Direct Water Jet

GENERAL RECOMMENDATIONS

Fire produces black, thick smoke. Exposure to it may cause detriment to health. If necessary, wear self-contained breathing apparatus and full protective clothing.

Keep the containers exposed to warmth of the fire cool with water spray. As far as possible, try to prevent the extinguishing products and spillage entering drains and water courses.

6. ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition and ventilate the area if possible. Appropriate protective equipment should be worn (see section 8).

Eliminate the source of spillage if it's possible to do without risk. Collect or absorb spillage in inert material e.g. sand, mineral filler, retaining textile etc. and place into an adequate container for controlled disposal. Additional wash down by scraping off.

If the spillage enters a drain or a water course, inform the authorities.

7. HANDLING & STORAGE

Vapours may form flammable mixtures with air and spread out on ground level. Try to prevent the accumulation of vapour in air and exceeding the occupational exposure limit and the in-flammability limit.

Use only in areas where all unprotected flames and sources of ignition have been eliminated. Electrical equipment should be designed for inflammable atmosphere according to specific standards. The material may become electrostatically charged: take precautionary measures against static discharges.

Avoid contact with skin and eyes. Exposure to vapour and spraying mist should be minimised.

Open the containers carefully by removing the top using a hook without producing sparks. **DO NOT** ever apply pressure to empty the containers. **DO NOT** smoke, eat or drink while handling. Abide by the local occupational safety and health regulation.

Store the containers dry and in a vertical position in a fresh and well ventilated space, closed and away from sources of ignition or sparks. Once open, if the container has to be closed again, do so properly and store again in vertical position to avoid spillage.

Abide by the local regulation about the storage of chemicals. Protect from direct sunlight. The storage temperature should be between 5 and 35°C. Inside storage is preferable. Keep away from sources of ignition and sparks, oxidizing agents, peroxides and highly alkaline or acid agents. **DO NOT** allow unauthorised people to get into the storage and to smoke in it.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE LIMITS

Occupational exposure limits, according to INSHT¹ 2001-02

	VLA-EC ²		VLA-ED ³	
	ppm	mg/m ³	ppm	mg/m ³
Toluene	(150) ⁴	(573) ⁴	50	191

Important dermic absorption of toluene, either by direct skin contact of material, or by contact of vapour with uncovered parts of the skin. The dermic contribution may result significant in the absorbed dose for the operator.

- ¹ Spanish National Institute of Occupational Safety and Health
- ² Limit value for short time exposure
- ³ Limit value for working day exposure
- ⁴ For a exposure time of 30 minutes

GENERAL MEASURES

Usually this material is used in fresh air. This fact is considered to be an adequate ventilation. In general, it's advisable to make sure that there is good air ventilation or to use an adequate breathing apparatus.

RESPIRATORY PROTECTION

If airborne concentrations are not maintained below the exposure limits, operators should use a respiratory protection.

HAND PROTECTION

As an elementary hygienic measure, for lengthy repeated contacts, gloves of polyvinyl alcohol or nitrile rubber may provide protection against permeation.

EYE PROTECTION

Use chemical splash goggles, specially designed against splashes of solvent based paints.

SKIN PROTECTION

Operators should wear protective clothing, of natural textile fibres or adequate man-made fibres. All skin areas in contact with the material must be thoroughly washed.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Viscous Liquid
VISCOSITY:	70 – 100 KU (UNE 48076)
SPECIFIC GRAVITY:	1,4 – 1,7 (UNE 48098)
FLASH POINT:	<21°C (UNE 48061)
BOILING POINT:	>38°C (instrumental)
CALORIFIC POWER:	≈ 13,7 MJ/kg (3,3 Mcal/kg) [for roads] ≈ 16,0 MJ/kg (3,8 Mcal/kg) [for cities]
VAPOUR DENSITY:	Greater than air one

10. STABILITY & REACTIVITY

This material is considered to be stable, under the recommended handling and storage conditions (see section 7).

In case of fire, dangerous decomposition products may be formed, as carbon monoxide, carbon dioxide, nitrogen oxides and thick smoke.

Keep away from oxidising agents, peroxides and highly alkaline or acid agents.

11. TOXICOLOGICAL INFORMATION

No experimental toxicity data are available for this material.

The exposure to vapour above occupational exposure limits may cause irritation of respiratory system and adverse effects on kidneys, liver and central nervous system. The symptoms are headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, unconsciousness.

The solvent from the material may cause some of the above mentioned symptoms by direct absorption through the skin.

The lengthy or repeated contact with skin may cause non allergic dermatitis and facilitate its dermic absorption.

Contact with eyes may cause irritation and reversible injury.

The ingestion may cause the following effects: throat irritation, abdominal pain, drowsiness, nausea, vomiting and diarrhoea. Other effects may be similar as to the referred on exposure to vapour.

12. ECOLOGICAL INFORMATION

No experimental data are available for this material.

Try to prevent the material entering drains and water courses.

13. DISPOSAL INFORMATION

DO NOT throw the residue away through drain. It's not allowed to throw the material away into drains or water courses. Disposal of waste material has to be done in accordance with local environmental regulation.

The disposal of emptied containers in accordance with packaging and packaging waste regulation for an adequate environmental management is the responsibility of the user.

14. TRANSPORT INFORMATION

Transport according to ADR regulation for road transport, RID regulation for railway transport, IMDG code for maritime transport and ICAO/IATA regulation for air transport.

ROAD-RAIL TRANSPORT – ADR / RID

Class:	3,5°C	Document:	Carriage Card
No UN:	1263	Label:	3 (Flammable Liquid)
Packaging Group:	III		

MARITIME TRANSPORT - IMDG

Class:	3.2, pag. 3268	Document:	Bill of Lading
No UN:	1263	Label:	3 (Flammable Liquid)
Packaging Group:	III	Marine Pollutant:	No
		Emergency Procedure:	EMS 3-05

AIR TRANSPORT – ICAO / IATA

Class:	3	Document:	Bill of Air Lading
No UN:	1263	Label:	3 (Flammable Liquid)
Packaging Group:	III		

15. REGULATORY INFORMATION

According to the European Directives, the material has been classified as:

Hazards Highly Flammable
 Harmful

It Contains Toluene

RISK PHRASES

- Highly Flammable
- Harmful: danger of serious damage to health by prolonged exposure by inhalation
- Possible risk of harm to the unborn child during pregnancy
- Harmful: may cause lung damage if swallowed
- Vapours may cause drowsiness and dizziness by inhalation
- Irritating to skin

SAFETY PHRASES

- Keep away from flames and sources of ignition. **DO NOT** smoke
- Wear suitable protective clothing and gloves
- If swallowed, do not induce vomiting. Seek medical advice immediately (show the label whenever possible)
- **DO NOT** breathe vapour, nor spraying mist
- Use only in well ventilated areas
- In case of insufficient ventilation, wear suitable respiratory equipment

16. OTHER INFORMATION

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.