

COBALine Marking Paint

(Stand 11-2013)



1. IDENTIFICATION OF PRODUCT AND USES

PRODUCT NAME: MARKING PAINT
PRODUKT TYPE: A hand-held pre-pressurised aerosol
SPECIFIED USE:

2. COMPOSITION INFORMATION

ACTIVE CONTENTS: Solvent, resin
OTHER CONTENTS: Propellant

INGREDIENTS	CAS NO INDEZ	CLASSIFICATION	RANGE	COMPOSITION
* Petroleum distillates	64742-47-8			12%~16%
* Acetone	67-64-1			3%~5%
* Acrylic modified resin	K/A			11%~13%
* Exxon Solvent s-100	25551-13-7			3%~5%
* Calcium carbonate	19569-21-2			6%~9%
* Butyl acetate	123-86-4			11%~13%
* Pigment	K/A			18%~20%
* DME	115-10-6			20%~30 %

3. HAZARD IDENTIFICATION / SAFETY PRECAUTIONS

The contents are **FLAMMABLE** and maybe **HARMFUL** by deliberate prolonged inhalation or ingestion.
 Hydrocarbon propellant is an asphyxiant if there is insufficient ventilation. This would constitute abuse of the product.
ALWAYS WASH HANDS AFTER USE. Repeated exposure may cause skin dryness or cracking.
KEEP IN A SAFE PLACE AWAY FROM CHILDREN.

FLAMMABLE: Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do Not pray onto a naked flame, any incandescent material, hot surface or unprotected electrical equipment.

DO NOT BREATHE SPRAY MIST. Vapours may cause drowsiness and dizziness.

DO NOT SPRAT NEAR EYES. Irritating to eyes.

4. FIRST AID MEASURES

INHALATION: Asphyxiation by butane will precede any toxicological effects of the active elements. Remove the patient to fresh air and treat symptomatically.

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SKIN CONTACT:	Wash with soap and water. Mild irritation may occur. Repeated contact may cause skin dryness and cracking.
EYE CONTACT:	NEVER ALLOW AEROSOL NEAR EYES. Flush with copious amounts of water. Seek medical advice. Product is classified as irritating to eyes.
INGESTIONS:	Unlikely. May cause nausea and discomfort. Carry out a gastric lavage to reduce discomfort. The contents would tend to be absorbed by the body with no significant effects, particularly in these concentrations. Treat symptomatically. Seek medical advice and show the container.

5. FIRE FIGHTING MEASURES

Pressurised aerosols should not be exposed to temperatures exceeding 50°C. Above this, containers may explode and the resultant flammable mixture will burn to produce CO².

Use water to cool undamaged stock only. Avoid contamination of the water where stock is leaking.

EXTINGUISHING MEDIA: CO²; BCF; dry powder, sand or earth.

For larger fire use foam, water fog or spray, avoiding contamination.

POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE USED.

6. ACCIDENTAL RELEASE MEASURES

INITIAL SPILL WOULD BE FLAMMABLE. Keep damaged containers away from sources of ignition and in well ventilated areas.

Contents may cause staining and it should be expected that marks will not be able to be removed.

ENVIRONMENT. In the concentration within 1-1000 cans the components would not present an environmental hazard as most of the product would quickly evaporate. Leaving only the residue.

Cleaning. In small quantities any liquid should be absorbed into a suitable media, such as sand and disposed of safely. The residue should be washed away with soapy water, though staining should be expected.

7. HANDLING AND STORAGE

Handling: Handle carefully. In general handling aerosols should not be considered as hazardous.

Storage. Always store aerosols away from sources of heat, including direct sunlight and in dry conditions. Avoid extremes of temperature and moisture. A stable, cool, environment is most suitable. Avoid contamination with other products.

The containers will not last indefinitely even when stored in a cool dry area, they should be inspected periodically during long-term storage.

Not container warnings.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Supplier recommends 600ppm total hydrocarbon based on composition. As with all aerosols, the products should only be used in well ventilated areas, but responsible use is not potentially harmful.

Respiratory protection. If ventilation is not possible, the suitable respiration is essential if there is risk of solvent vapour concentrations. Use organic/inorganic vapour filters. Vapours may cause drowsiness or dizziness.

In general the aerosol product is a convenient and safe method of supply. Only in continuous or repeated usage conditions should personal protective measures be required or exposure controls considered.

9. PHYSICAL AND CHEMICAL PROPERTIES

As the product is an aerosol, it is an aerosol container with no potential properties, provided the container warnings are observed.

Details apply to the liquid phase of the product only (propellant gas will evaporate immediately):

Appearance:	Paint
Odour:	Aerosol
PH:	N/A
Boiling point:	>65°C
Melting point:	<-20°C
Flash point:	Nominally 0°C
Inflammability:	Unknown for blend
Explosive properties:	None
Relative density:	1.06kg/m ³

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Solubility: Not water soluble. Re-dispersible in aromatic solvents or ketones.

10. STABILITY AND REACTIVITY

The container is inherently stable under instructed conditions for a reasonable period of time (at least 24-25 months).

AVOID extremes of temperature, including direct sunlight and extreme freezing. Avoid exposure to moisture. Which may damage container deterioration and PH, where acidity may damage container integrity. Avoid sudden impacts, which may damage container integrity.

Avoid contact with water, acids, high temperatures.

Container corrosion may occur with time and damaged containers should be disposed of before any danger is evident.

Flammable. Liquid contents should be considered generally not reactive.

11. TOXICOLOGICAL INFORMATION

THIS IS DESIGNED FOR EXTERNAL USE ONLY.

Essentially, when used in this aerosol form, there are no potential toxic effects. The data is as follows:

DME (dimethyl ether) The Occupational Exposure Standard is 650ppm(1550mgm)

Used correctly in aerosol form. All components can be considered to have a low order of toxicity (LD50 oral rat 500mk/kg,skin 3000mg/kg). Deliberate inhalation may cause severe pulmonary and breathing difficulty, dizziness, drowsiness(narcosis) and headaches (but this is unlikely in normal usage) and would constitute abuse.

Skin and eye irritation may result from continued exposure to vapours when used in areas of poor ventilation or when working in close proximity to the sprat for prolonged periods, and suitable steps should be taken to avoid such conditions.

12. ECOLOGICAL INFORMATION

This relates to the contents only. See disposal.

The product will evaporate quickly to the air. A coloured liquid, easily absorbed, will evaporate and leave a solid. The solid will present no other significant hazards, with no dangers arising from degradation.

Mobility will be very slow.

Degradation will be relatively slow though ultimately almost complete.

Accumulation is unlikely once physical breakdown commences.

Short and long term effects should not be considered significant. Very short term damage to aquatic and soil organisms may occur in large spillages (1000+ containers) though this should disperse quickly (especially if absorbent material is used).

13. DISPOSAL CONSIDERATIONS

The container should be totally discharged and disposed of as hazardous waste. SEE CONTAINER WARNINGS. I.e. do not puncture or incinerate/burn even after use. Dried material is non-hazardous.

14. TRANSPORT INFORMATION

UN-NUMMER: UN1950 IMDG Page 2120

HAZARD CLASS: 2.1 For Sea Transport. Not classified as hazardous for road transport in UK(ADR).

UK TRANSPORT DESCRIPTION: MISCELLANEOUS GOODS

15. REDULATORY INFORMATION

The COSHH Regulations apply in the UK.

The CHIP Regulations apply in the UK.

The Environmental Protection Act Regulations apply in the UK.

SYMBOLS: F+, Xi

Risk/Safety Phrases:

F+ Flammable. Keep out of reach of children. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray onto naked flame or any incandescent material. (Aerosol safely phrases).

Xi Irritant

R12 Extremely flammable

R36 Irritating to eyes

R38 Irritating to skin

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R66	Repeated exposure will cause skin dryness and cracking
R67	Vapours may cause drowsiness and dizziness
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S(2)	Keep out of the reach of children
S9	Keep container in a well ventilated place
S16	Keep away from sources of ignition - NO SMOKING.
S 23	Do not breathe vapour/spray
S 26	In case of contact with eyes, rinse immediately, with plenty of water and seek medical advice
S 45	In case of accident or if you feel unwell seek medical advice immediately (show container)
S51	Use only in well ventilated areas
S53	Avoid Exposure -read MSDS sheet before use

16. OTHER INFORMATION

This is an aerosol product and should be used carefully.

It represents no greater dangers than any other aerosol product and all regulation applicable are general industry guidelines.

The information included is all that available for the component products at this time.

The information contained herein is based upon the current state of our knowledge.

Since the storage, application and disposal of these products is not within the control of the company, it is the users obligation to determine the conditions of safety in terms of all aspects relating to their products. The company accepts no liability for and makes no claims regarding the use, qualities or components of this product, which may vary.

ALWAYS OBSERVE ALL CONTAINER AND DATASHEET WARNINGS.

ALWAYS READ THE LABEL BEFORE USE.

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