

MATERIAL SAFETY DATA SHEET

MSDS

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BALTOFLAKE

1. PRODUCT AND COMPANY

TRADE NAME : BALTOFLAKE

ART-No : PM3019

PRODUCER/IMPORTER :
Company : JOTUN-HENRY CLARK LTD.

Address : Flixborough, Scunthorpe

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Emergencyphones : Contact the National Poison Center

Contactperson : QA/Environm. dept., JOTUN A/S, NORWAY

Responsible : QA/Environm. dept., JOTUN A/S, NORWAY

2. COMPOSITION OF PRODUCT

No	Ingredients name	CAS-NO	Weight%		Dangerclas./Cmnt.
1	STYRENE	100-42-5	25-50	N	Xn,10-20-36/38

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Dang. to the environment,

3. HAZARD IDENTIFICATION



For potential danger for the environment, see section 12. IRRITATING TO EYES AND SKIN. HARMFUL BY INHALATION. FLAMMABLE.

4. FIRST AID

GENERAL

Never give anything by mouth to an unconscious person. In all cases of doubt, or when symptoms persist, seek medical attention.

INHALATION

Seek medical advice. If unconscious place in the recovery position. If breathing has stopped, administer artificial respiration. Keep the patient warm in a quiet place with fresh air.

SKIN CONTACT

Do NOT use solvents or thinners. Wash skin thoroughly with soap and water or use an appropriate skin cleaner. Remove contaminated clothing.

EYE CONTACT

Seek medical advice if symptoms persist. Irrigate copiously with clean, fresh water for at least 10 minutes. Hold the eyelids apart. Remove any contact lenses.

INGESTION

Seek medical advice. Keep at rest. If accidentally swallowed obtain immediate medical attention. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

PROPER FIREFIGHTING EQUIPMENT

Not to be used: water jet. Recommended: alcohol resistant foam, CO₂, powders, water spray.

FIRE AND EXPLOSION HAZARDS

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health.

PERSONAL PROTECTION WHEN FIREFIGHTING

The personal protective equipment required is provided in section 8. Professional fire-fighters are required to use an air-fed system when dealing with major fires.

OTHER INFORMATION

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

OTHER INFORMATION

If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environmental Agency. Clean preferably with a detergent; avoid use of solvents. Do not allow to enter drains or watercourses. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite and diatomaceous earth. Place in container for disposal according to local regulations (see section 13). Refer to protective measures listed in sections 7 and 8. Avoid breathing vapours. Exclude sources of ignition and ventilate the area.

7. HANDLING AND STORAGE

HANDLING ADVICE

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should not be used in vicinity of open flames or other sources of ignition. Use explosion-proof electrical equipment. The product may charge electrostatically. Always use earth (ground) wire when transferring from one container to another. Personnel should wear anti-static clothing and footwear. Floors should be electrically conductive. Keep container tightly closed. Exclude sources of heat, sparks and open flame. Use non-sparking tools. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking are forbidden in the work area. For personal protective equipment see Section 8. Always keep in containers made of the same material as the supply container. Never use pressure to empty the container, it is not a pressure vessel. Electrical equipment should be protected to appropriate standards. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OEL s

Ingredients name	CAS-no	OEL value	OEL
STYRENE	100-42-5	430,0 mg/m ³ 1080,0 mg/m ³	LTEL STEL

EXPOSURE CONTROL

OELs are taken from the current version of EH40 (by Health & Safety Executive, UK). Spray mist contains all substances of the product and must not be inhaled. Respiratory protection are to be used when the concentration of solvents/compounds exceeds the Occupational Exposure Limit Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide adequate ventilation.

RESP. PROTECTION

Use respiratory protective mask with charcoal and dust filter (A2/P2) when spraying this product. When use of roller or brush, then charcoal filter is sufficient.

EYE PROTECTION

Eye protection designed to protect against liquid splashes should be worn.

HAND PROTECTION

Never apply barrier cream to contaminated skin. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. Use PVA/EVOH gloves.

SKIN PROTECTION

When spraying use suit covering the whole body. Wear anti-static clothing made of natural fibre or of heat resistant synthetic fibre.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid.		
Colour:	Various.		
Odour:	Organic solvent.		
Solubility:	Organic solvent.		
Melting point/range:	-	Density:	1,2-1,3
Expl. limit LEL-UEL%:	1,10 - 8 -	Boiling point/range:	145°C
Flash point:	32°C	pH concentrate:	-
Ignition temp.:	490°C		

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions (see section 7).

MATERIALS TO AVOID

Keep away from oxidising agents, strongly alkaline and strongly acidic materials to prevent the exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

GENERAL

There are no toxicological data available on the product itself.

INHALATION

Symptoms and signs include headache; dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous system.

SKIN CONTACT

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to the product's defatting properties.

EYE CONTACT

Splashes in the eyes may cause irritation and reversible local damage.

INGESTION

Risk of chemical pneumonia. Accidental ingestion may cause vomiting and abdominal pains.

CANCER

Styrene has been classified as possibly carcinogenic to humans cat. 2B by IARC.

12. ECOLOGICAL INFORMATION

OTHER INFORMATION

Do not discharge the product to sewer or drains.

13. DISPOSAL

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Do not allow into drains or water courses. Waste must be disposed of at approved landfill/waste storage or treatment facility.

WASTEGROUP

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVE, SEALANTS AND PRINTING INKS. 08 01 02 Waste paints and varnish free of halogenated solvents.

14. TRANSPORT INFORMATION**PROPER SHIPPING NAME**

PAINT

IMDG (Sea)

UN No	1263	Class	3.3
Packaging Group	III	EmS	3 - 05
MFAG	310	Marine Pollutant	P
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Transport only in accordance with ADR for road, RID for rail, IMDG for sea transport and IATA for airtransport. Not ADR-restricted ref. NOTE under E of marginal 2301 (applicable to receptacles of less than 450 litres capacity).

15. REGULATORY INFORMATION

Classif.:

**COMPOSITION**

STYRENE (25-50)

R-PHRASES

R10 Flammable. R20 Harmful by inhalation. R36/38 - Irritating to eyes and skin.

S-PHRASES

S23 Do not breathe vapour/spray. S38 In case of insufficient ventilation, wear suitable respiratory equipment.

REFERENCES

The product is labelled for supply in accordance with the current issue of CHIP Regulations, and latest version of the approved supply list.

16. OTHER INFORMATION

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INFORMATION SOURCES:

USER NOTES

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