

TRS Tar Epoxy PART B
0512

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BISCON AC-HB HARDENER**1. IDENTIFICATION OF THE COMPANY**

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the Chemicals (Hazard Information and Packaging) Regulations 1993.

name	EG-no.	conc. range	symbol	R-phrases
Xylene	601-022-01-6	10 - 25	Xn	10,20/21,38
Solvesso 100	64742-95-6	10 - 25	Xn,N	10,37,51/53,65
Ethoxy propanol	Cas 1569-02-4	5 - 10	Xi	10, 36

3. HAZARDS IDENTIFICATION

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.

4. FIRST AID MEASURES**General:**

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

Inhalation:

Remove to fresh air, keep the patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
If unconscious, place in the recovery position and seek medical advice.

Eye contact:

Contact lenses should be removed.
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Skin contact:

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

Ingestion:

If accidentally swallowed obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media:

Recommended: Alcohol resistant foam, CO₂, powder, water spray/mist.

Not to be used: Water jet

Recommendations:

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10).

Decomposition products may be a hazard to health.

Appropriate self-contained breathing apparatus may be required.

Cool closed containers exposed to fire with water spray.

Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area.

Exclude non-essential personnel.

Avoid breathing vapours.

Refer to protective measures listed in Sections 7 and 8.

Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite diatomaceous earth and place in suitable container for disposal in accordance with the waste regulations (see Section 13).

Do not allow to enter drains or water courses.

Clean preferably with a detergent; avoid the use of solvents.

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 National Rivers Authority.

7. HANDLING AND STORAGE

Handling:

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air.

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.

Smoking, eating and drinking should be prohibited in areas of storage and use.

For personal protection, see Section 8.

Never use pressure to empty: the container is not a pressure vessel.

Always keep in containers made of the same material as the supply container

Good housekeeping standards and regular safe removal of waste materials will minimise risks of spontaneous combustion and other fire hazards.

The product may charge electrostatically. Use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be electrically conductive

The Manual Handling Operations Regulations may apply to the handling of containers of this product.

Refer to the guide weight indicated on the container when carrying out assessments.

Storage:

Store in accordance with the conditions of the licence which is necessary under the Petroleum (Consolidation) Act. Further guidance is contained in the HSE guidance note Storage of Flammable Liquids in Containers.

Observe the label precautions. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access.

Containers which are opened should be properly resealed and kept upright to prevent leakage.

The principles contained in the HSE's guidance note Storage of Packaged Dangerous Substances should be observed when storing this product. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn. (see "Personal protection").

Exposure limits

	MAC-TWA (1)		MAC-TWA 10(2)		
	ppm	mg/cm ³	ppm	mg/cm ³	
Xylene	50	210	150	650	SK
Solvesso 100					
Ethoxy propanol					

(1 Long term exposure limit - 8 hours time weighted average.

(2 Short time exposure limit - 10 minutes reference period.

SK indicates a risk of absorption through the skin.

Personal protection:

Respiratory protection:

All personal protection equipment, including respiratory protection equipment, used to control exposure to hazardous substances must be selected to meet the requirements of COSHH Regulations

Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and methods cannot reasonably be improved.

Hand protection:

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types.

Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection:

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

Skin protection:

Cotton or cotton/synthetic overalls or coveralls are normally suitable.

Grossly contaminated clothing should be removed and the skin washed with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	
Flash point	37°C	
Viscosity	> 200sec. Ford Cup No.4	
Specific gravity	1.04g/cm ³	
Solubility in water	not soluble	
Explosion limits	Xylene	1,1 - 7,6 vol%
	Solvesso 100	1,0 - 6,0 vol%
	Ethoxy propanol	1,3 - 12,0 vol%

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions. (See Section 7).

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

Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

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 systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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

12. ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

13. DISPOSAL CONSIDERATION

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

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.

14. TRANSPORT INFORMATION

ADR/RID : Class	free	Number		
Proper shipping name	paint			
Packing group				
IMDG : Class	3	UN-no.	1263	
Proper shipping name	paint			
Packing group	III	Main risk	3	Sub risk
Marine Pollutant	no	EMS	F-E, S-E	
IATA : Class	3	UN-no.	1263	
Proper shipping name	paint			
Packing group	III	Main risk	3	Sub risk

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information and Packaging) Regulations as follows:

Symbol Xn
Contains Xylene

R-phrases R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.

S-phrases S51 Use only in well-ventilated areas
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

By spray application:

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

16. OTHER INFORMATION

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 Harmful: May cause lung damage if swallowed.

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the products and should not be construed as any guarantee of technical performance of suitability for particular applications.