

TRS Tar Epoxy PART A
0512

REVISION DATE: 2001-04-05

BISCON AC HB BASE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: BISCON AC HB BASE
PART No.: C 301-J
SUPPLIER: STAR MALING OG LAKKFABRIKK A/S/ CARBOLINE NORGE A/S
 Postboks 593
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MANUFACTURER: STAR MALING OG LAKKFABRIKK A/S
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	CAS No.:	CONTENT	SYMBOL:	RISK:
1-METHOXY-2-PROPANOL	107-98-2	1-5 %	-	
AROMATIC HYDROCARBONES C9-C12	64742-94-5	5-10 %	Xn	R-20, 65
ANTHRACENE OIL, ANTHRACENE-LOW ; ANTHRACENE OIL FRACTION	90640-82-7	1-5 %	T	R-45
CREOSOTE OIL, ACENAPHTHENE FRACTION ; WASH OIL	90640-84-9	1-5 %	T	R-45
DISTILLATES (COAL TAR), HEAVY OILS ; HEAVY ANTHRACENE OIL	90640-86-1	1-5 %	T	R-45
COALTAR	65996-93-2	30-60 %	T	R-45
XYLENE, MIXTURE	1330-20-7	10-30 %	Xn	R-38, 20/21

COMPOSITION COMMENTS: Key to the symbols: Tx= Very toxic, T= Toxic, C= Corrosive, Xn= Harmful, Xi= Irritant, IK= Not classified, E= Explosive, O= Oxidizing, Fx= Extremely flammable, F= Highly flammable, N= Dangerous to the environment, M= Mutagenic, A= Sensitizing, K= Carcinogenic, R= Toxic to reproduction
 White Spirit <22% aromates, contains max. 0,01 % Benzen.
 Xylene, technical quality contain 14-20% ethylbenzene. (Cas-nr.100-41-4).

3. HAZARDS IDENTIFICATION:

Flammable. May cause cancer. Harmful by inhalation and in contact with skin. No available environmental data on this product, ref.section 12.

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:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When risk of unconsciousness, place and transport the victim in secured sideposition. Keep the affected person warm and at rest. Get prompt medical attention.
INGESTION:	Provide rest, warmth and fresh air. Drink plenty of water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.
SKIN:	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Do NOT use solvents or thinners.
EYES:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Make sure to remove any contact lenses from the eyes before rinsing.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Fire can be extinguished using: Dry chemicals, sand, dolomite etc. Powder, foam or CO2.
SPECIAL FIRE FIGHTING PROCEDURES:	Avoid water in straight hose stream; will scatter and spread fire. Move container from fire area if it can be done without risk.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Generates massive smoke during fire. Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition.
PROTECTIVE MEASURES IN FIRE:	Appropriate breathing apparatus may be required.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL: Wear necessary protective equipment, ref.section 8.

SPILL CLEANUP METHODS: Provide ventilation and confine spill. Do not allow runoff to sewer. Collect with absorbent, non-combustible material into suitable containers.

7. HANDLING AND 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. Read and follow manufacturer's recommendations. Wear necessary protective equipment, ref. section 8.

STORAGE PRECAUTIONS: Keep in cool, dry, ventilated storage and closed containers.

STORAGE CRITERIA: Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	ST EXP 15 Min	LT EXP 8 Hrs
XYLENE, MIXTURE	1330-20-7	OES.	435 mg/m ³ (Sk)	650 mg/m ³ (Sk)
1-METHOXY-2-PROPANOL	107-98-2	OES.	360 mg/m ³ (Sk)	1080 mg/m ³ (Sk)

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS:

VENTILATION: All handling to take place in well ventilated area.

RESPIRATORS: At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear respiratory protection with combination filter (dust and gas filter) during spraying operations. Gas cartridge (organic substances). Dust filter P2 (for fine dust).

PROTECTIVE GLOVES: Use protective gloves made of: Nitrile. Polyvinyl alcohol (PVA).

EYE PROTECTION: If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION: Provide eyewash, quick drench.

HYGIENIC WORK PRACTICES: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet. Use appropriate hand lotion to prevent defatting and cracking of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Fluid.
COLOUR:	Black.
ODOUR/TASTE:	Solvent.
DENSITY/SPECIFIC GRAVITY (g/ml):	1.29
VAPOUR DENSITY (air=1):	> 1
FLASH POINT (°C):	26
AUTO IGNITION TEMP. (°C):	290
FLAMMABILITY LIMIT - LOWER (%):	1
FLAMMABILITY LIMIT - UPPER (%):	11

10. STABILITY AND REACTIVITY:

STABILITY:	Avoid: Heat, sparks, flames.
HAZARDOUS DECOMP. PRODUCTS:	Fire or high temperatures create: Aromatic hydrocarbones, aldehyde, carboxylic acid, carbonoxides (CO,CO2), smoke.

11. TOXICOLOGICAL INFORMATION:

HEALTH WARNINGS:	The product contains coaltar which are toxic and carcinogenic. Eczema may break out with simultaneous influence of sunlight. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Contact with this chemical may cause: Skin drying with risk of formation of eczema. Swallowing concentrated chemical may cause severe internal injury. Vapour may irritate respiratory system or lungs. Inhalation may cause: Bronchogenic carcinoma. Prolonged or repeated exposure to this chemical may cause: Brain damage. INFORMATION ABOUT EHTYLBENZENE (EB) FROM IARC (International Agency for Research on Cancer) : IARC (2000) has classified EB as Category 2B carcinogen. The agent is possibly carcinogenic to humans.
MEDICAL CONSIDERATIONS:	Chronic solvent-induced symptoms may give untypical (neurasthenically produced) impression of disease.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: No available environmental data on this product.
Environmental data, Xylen (Cas.nr. 1330-20-7) :Do not bioaccumulate in aquatic environment. LC50 96h (fish): 2-11 mg/l Roccus saxatilis, 8,2 mg/l Salmo gairdneri, 13,5 mg/l Lepomis macrarchirus, 21,0 mg/l Pimephales promelas. EC50 24h (Daphnia): 1-5 mg/l, IC50 72h (algae): 3-5 mg/l Selenastrum sp. Degradation: OECD-test 301C: Readily degradable, BOD5/COD: ca.0,6. Bioaccumulation: BCF:80 fisk (calculated) 21-24 Anguilla japonica, Log Pow: 3,11 - 3,20.
Environmental data, white spirit < 22% aromates (cas nr.64742-94-5), LC50 fish:1-10 mg/l, bioaccumulate in aquatic environment, toxic to water organism in low concentration and with short exposure.
Environmental data , 1-metoxy-2-propanol : Readily degradable, do not bioaccumulate in aquatic environment..
LC50 96h (fish): 20800 mg/l Pimephales promelas. EC50 48h (Daphnia): 23300 mg/l. BOD20/ThOD: 58,5%. log pow: -0,437 (calc.)

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: Wastes should be delivered as hazardous waste. Do not allow runoff to sewer, waterway or ground.
WASTE CLASS: 08 01 02.

14. TRANSPORT INFORMATION:

UN No. ROAD: 1999
ADR CLASS: Class 3: Flammable liquids.
ADR ITEM No.: 31c
RID CLASS No.: 3
RID ITEM No.: 31c
IMDG CLASS: 3.3
IMDG PAGE No.: 3382
IMDG PACK GR.: III
EmS No.: 3-05
MFAG TABLE No.: 311

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:

R-10 Flammable.
 R-20/21 Harmful by inhalation and in contact with skin.
 R-45 May cause cancer.

SAFETY PHRASES:

S-23 Do not breathe gas/fumes/vapour/spray.
 S-25 Avoid contact with eyes.
 S-36/37 Wear suitable protective clothing and gloves.
 S-38 In case of insufficient ventilation, wear suitable respiratory equipment.
 S-42 During fumigation/spraying wear suitable respiratory equipment.
 S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S-53 Avoid exposure - obtain special instructions before use.

16. OTHER INFORMATION:

USER NOTES:

The information in this safety-data sheet is based on our current knowledge. The user's working conditions are beyond our supervision. The responsibility to fulfill the demands determined in the national regulations always lies with the user. The information should be understood as a description of those safety requirements which are demanded on the product and is no guarantee for the properties of the product. This information may only be quoted with the producer's permit.

ISSUED BY:

STAR MALING OG LAKKFABRIKK A/S

REVISION DATE:

2001-04-05

REV. No./REPL. SDS GENERATED:

2000-12-12

DATE:

2001-04-05

SIGNATURE:

I.V