MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCTS / IDENTIFICATION OF SUBSTANCE

PRODUCT NAME: Sealbond Epoxy flooring and Industrial Coating
PRODUCT CODE: EFC-321G

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful if swallowed
Investigated as a human carcinogen.
Reproductive toxin.
Mild eye irritant.
May cause sensitization by skin contact.

POTENTIAL HEALTH EFFECTS

EYE CONTACT

Contact with eyes may cause irritation.

INGESTION

Harmful if swallowed.

CHRONIC HEALTH HAZARD

This product contains listed carcinogen(s) according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Investigated as a human carcinogen. Reproductive toxin. May cause allergic skin reaction.

EXPOSURE GUIDELINES

Target Organs
Skin.
Kidney.
Liver
Blood.
Spleen.
Reproductive hazard.

AGGRAVATED MEDICAL CONDITION

Liver disorders Kidney disorders Skin disorders and Allergies.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS Number	Ingredient
1130-20-7	Xylene
	ACGIH TLV
	ACGIH TLV
	OSHA PEL
	OSHA PEL
Proprietary Amine Epoxy Adduct	
	ACGIH TLV
	OSHA PEL

68410-23-1 Polyamide

ACGIH TLV

OSHA PEL

14807-96-6 Talc

ACGIH TLV

OSHA PEL

90 5 98-46-2 Epoxy Resin

4. FIRST – AID MEASURE

GENERAL ADVICE

Seek medical advice. If breathing has stop or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

INHALATION

Move to fresh air.

INGESTION

Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to aside.

EYE CONTACT

Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.

SKIN CONTACT

Wash off immediately with plenty of water for at least 20 minutes. Take off contaminated clothing and shoes immediately.

NOTE TO PHYSICIANS

Application of corticosteroid cream has been effective in treating skin irritation.

5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Alcohol-resistant foam,

Carbon dioxide (Co2).

Dry chemical. Dry sand. Limestone powder.

SPECIFIC HAZARDS

May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen (NOx) is to be expected. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Avoid contact with the skin. A face shield should be worn. Use personel protective equipment. Wear self contained breathing apparatus for firefighting if necessary.

FURTHER INFORMATION

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

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION

Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

ENVIRONMENTAL PRECAUTIONS

Construct a dike to prevent spreading.

METHODS FOR CLEANING UP

Approach suspected leak areas with caution. Contact Air Products' Emergency Response Center for advice. Place in appropriate chemical waste container.

ADDITIONAL ADVICE

Open enclose spaces to outside atmosphere. If possible, stop flow of product.

7. HANDLING AND STORAGE

HANDLING PRECUATION

Emergency shower and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment . when using, do not eat, drink or smoke.

STORAGE PRECAUTIONS

Keep away from oxidizers. Do not store near acids. Keep containers tightly closed in a dry, cool and well ventilated place.

TECHNICAL MEASURES/PRECAUTIONS

Do not store in reactive metal containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Provide readily accessible eye wash station and safety showers.

Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

Wear appropriate respiratory when ventilation is inadequate.

HAND PROTECTION

Neoprene glove.

PVC disposable gloves

Loose fitting thermal insulated or leather gloves. Nitrile rubber.

The breakthrough time of the selected glove(s) must be greater than the intended use period.

EYE PROTECTION

Chemical safety glasses.

SKIN AND BODY PROTECTION

No specific recommendation.

ENVIRONMENTAL EXPOSURE CONTROLS

Construct a dike to prevent spreading.

SPECIAL INSTRUCTION FOR PROTECTION AND HYGIENE

Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
General information
Appearance:

Form:	Liquid
Colour:	According to product specification
Odour:	Aromatic
Odour threshold:	Not determined.
pH-value:	Not determined

Change in condition

Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	114°C

Solubility in /Miscibility with water: Not miscribe or difficult to mix.

Solvent content:

Organic solvents:	35%
VOC	183.6g/L

10. STABILITY AND REACTIVITY

Reactivity
Chemical stability
Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid no further relevant information available.
Hazardous decomposition product: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Primary irritant effect:
On the skin: Cause mild irritation
On the eye: No irritating effect.
Sensitization: No sensitizing effects known.
Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification
Harmful
Carcinogenic
The product can cause inheritable damage.

12. ECOLOGICAL INFORMATION

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behavior in environment al system:
Bioaccumulative potential No further relvant information available.
Mobility in soil No further relevant information available.
Additional ecological information:

General notes:
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground
Other adverse effects No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN Haz. Class : 8 UN Number : 1760
Packaging Group : 3

15. REGULATIONS

Labeling according to EEC Directives
Hazardous identification : Hazards identification : C (Corrosive)
Harmful in contact with skin and if swallowed. Irritating to eyes. Causes burns.
May cause sensitization by skin contact.

16. OTHER INFORMATION

This information is base on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship
Relevant phrases
Harmful by inhalation, in contact with skin and if swallowed.
Harmful by inhalation and in contact with skin
Harmful by inhalation
Extremely flammable
Highly flammable
Flammable
Toxic to aquatic life with long lasting effects.
May cause cancer.
May cause respiratory irritation.
May be harmful if inhaled
Harmful if inhaled