TECNOCOAT P-2049 COMP. B

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND NAME OF THE COMPANY OR ORGANIZATION

1.1. Name of the Product

Commercial name: TECNOCOAT P-2049 COMP. B (COMP.B)

1.2. Known correct use of the substance or mixture and potentially hazardous uses

Use: Elastomeric material of polyurea for waterproofing and protection

1.3. Details of the supplier as listed on the safety data sheet provided

Company identification:

Tecnopol Sistemas
c/ Finlàndia, 33
08520 Les Franqueses del Vallès
Barcelona (Spain)
(+34) 93 568 21 11
www.tecnopolgroup.com

1.4. Emergency telephone number

(National Institute of Toxicology) 0034 915 62 04 20

2. IDENTIFICATION OF RISKS/HAZARDS

2.1. Classification of the substance or mixture

Health risks: Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Physical hazards:

2.2. Identification of risks/hazards

Class and category of risk, EC Regulation Code EC 1272/2008 (CLP)

Risk Pictograms:

Warning message:

Danger

Indication of danger:

H302 Harmful if swallowed.
H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure exposure cause the hazard>.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Careful handling advice

General advice

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Prevention

P233 Keep container tightly closed.

Response

P378 Use use all extinguishing media for extinction
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

Safe disposal procedure

P501 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Contents

Polyamines

2.3. Other dangers

None under normal conditions

3. COMPOSITION/COMPONENT INFORMATION

Chemical description: Polyamines

Potentially hazardous components: Polyoxipropylendiamine

Components list	Contained	Nº CAS	Nº EC	Index	REACH ref.	Classification
Poly (oxypropylene) diamine	45 - 75 %	9046-10-0	--	--	--	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Diethylmethylbenzenediamine	10 - 20 %	68479-98-1	--	--	--	H302; H312; H373 H319; H410; H411
Polyoxypropylenetriamine	10 - 20 %	64852-22-8	--	--	--	H315; H318; H412

4. FIRST AID

4.1. First aid procedure

Inhalation:

IN THE EVENT OF INHALATION: Take the person outside into the fresh air and seat them in a comfortable breathing position. Immediately call a TOXICOLOGY INFORMATION CENTRE or a doctor. Specific treatment is urgently required.

Contact with the skin:

Remove clothing and thoroughly clean the skin exposed to the product with mild soap and water; rinse off with warm water.

Contact with the eyes:

Rinse immediately in plenty of water. Seek medical assistance if pain or irritation continues.

Swallowing:

DO NOT induce vomiting.

Seek emergency medical attention.

4.2. Main symptoms and effects, acute or delayed

Symptoms related to use:

It is not considered to present significant risk when used responsibly under normal conditions.

4.3. Directions to be followed in the event of any medical attention and special treatment which should be dispensed immediately.

General information:

Never administer anything by mouth to a person in an unconscious state. If the person feels unwell visit a doctor (and, if possible, show them the product information label).

5. PROCEDURE IN THE EVENT OF FIRE

5.1. Fire extinction procedures

Correct methods:

Foam. Water mist. Dry powder. Carbon dioxide. Sand.

Incorrect extinction methods:

Never employ a direct jet of water.

Risk of fire in the vicinity:

Use water spray or mist to cool down any containers exposed to fire.

5.2. Specific risks resulting from the substance or mixture

Inflammable nature:

Inflammable liquid and vapours.

Products presenting specific dangers on combustion:

In the event of fire, potentially harmful smoke and vapours may be produced.

5.3. Recommendations for all personnel when fighting fires

Personal protection in the event of fire:

Never enter the fire area without adequate protective equipment, including respiratory protection.

Special procedure:

In the event of chemical fire take all the normal precautions. Avoid water from fire extinction coming into contact with the affected area.

6. PROCEDURE IN THE EVENT OF ACCIDENTAL SPILLAGE

6.1. Personal safety precautions, protective equipment and emergency procedures

For the emergency personnel

Equip all cleaning personnel with adequate protective clothing and equipment. Ventilate the area.

Technical procedures

Take special precautions to avoid any electrical charges. Eliminate all possible sources of ignition. Avoid all naked flames. Do not smoke.

Special precautions

Eliminate all possible sources of ignition

6.2. Precautions to protect the environment

Precautions to protect the environment:

Avoid spillage of the product into drains or water pipes. If the product does enter public water supply pipes, immediately notify the authorities.

6.3. Containment and cleaning methods and materials

Cleaning methods:

Soak up the spilt product using inert solids, such as clay or diatomaceous earth, as quickly as possible. Collect and dispose of spillage in appropriate containers.

6.4. Reference to other sections

See section 8. Personal protection/exposure controls

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Technical protective measures:

Ensure proper ventilation of the processing area to avoid a build up of vapours.

All equipment must be correctly earthed and procedures followed to prevent static electrical charges.

Handling:

Wash hands and exposed skin thoroughly with a mild soap and water before eating, smoking and leaving work.

Handle all empty containers with care as residue vapours may still be inflammable.

Special precautions:

Do not expose to naked flames. Do not smoke.

Inflammable air-vapour mixtures may be formed on use. Store and handle in the same manner as any other product which represents a serious health risk or potential danger of fire or explosion.

7.2. Conditions for safe storage, including possible incompatibilities

Storage:

Always store in the original containers, in cool, well ventilated surroundings. Always keep containers closed when not in use. Keep away from naked flames.

Always store away from the following:

Strong acids and bases. Ignition sources. Direct sunlight. Heat sources.

7.3. Specific end uses

Specific end uses:

None.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 Exposure control

Personal protection

Personal protection: Avoid all unnecessary exposure as far as possible.

Protection of the respiratory tracts:In cases where excessive vapour may be produced, always use an approved suitable masks (type A2B2P3), with particulate filter (P100)

Protection for the hands: :In situations involving repeated contact, always wear gloves(coated with nitrile, butyl, PVC or neoprene.)

Protection for the eyes: Special chemical product/protective goggles should be worn.

Other precautions: Avoid eating and smoking during use

9. CHEMICAL AND PHYSICAL PROPERTIES

9.1. Information on basic chemical and physical properties

Physical state: Liquid

Colour: e.t.c.

Smell: characteristic

Odour threshold: --

pH value: --

Melting point [°C]: --

Decomposition point [°C]: --

Critical temperature [°C]: --

Spontaneous ignition temperature [°C]: --

Flammability: Not flammable

Flash point [°C]: >100 ºC

Initial boiling point [°C]: --

Final boiling point [°C]: --

Rate of evaporation: --

Acidic/alkaline reserves [g NaOH/100g]: --

Explosion limits - Lower [%]: --

Explosion limits - Upper [%]: --

Vapour pressure mm/Hg: --

Vapour density: --

Density [g/cm3]: 1,09 g/cm3

Water solubility [% in weight]: --

Water solubility: Insoluble

Log Pow octanol / water at 20°C: --

Solubility: Organic Solvents

Viscosity a 20°C [mPa.s]: 650 mPa.s

9.2. additional information

Explosive properties: --

Oxidising properties: --

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Not established

10.2. Stability

Chemical stability: Stable under recommended storage conditions.

10.3. Possibility of dangerous reactions

Dangerous reactions: Not established

10.4. Situations to avoid

Situations to avoid: Extremely high or low temperatures. Direct sunlight. Uncontrolled fire. Overheating. Heat. Sparks.

10.5. Materials to avoid

Materials to avoid: Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products: Smokes. May release flammable gases.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Harmful if inhaled.

Corrosivity: Yet to be established.

Irritation: Yet to be established.

Awareness: Yet to be established.

Mutagenicity: Yet to be established.

Carcinogenesis: Yet to be established.

Toxic for reproduction: Yet to be established.

Specific toxicity in certain organisms on first exposure: Yet to be established.

Specific toxicity in certain organisms on repeated exposure: Yet to be established.

Aspiration hazard: Yet to be established.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity information: The product is toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

12.2. Persistency - degradability

Persistency - degradability: Biodegradable.

12.3. Potential for bioaccumulation

Potential for bioaccumulation: Yet to be established.

12.4. Soil mobility

Log Pow octanol / water at 20°C: No data available.

Soil mobility: Yet to be established.

12.5. Results of PBT & vPvB assessment

Results of PBT & vPvB assessment: Not applicable.

12.6. Other adverse effects

Precautions for protection of the environment: Avoid release into the environment.The product is toxic to aquatic organisms and may cause long-term adverse effects

13. DISPOSAL CONSIDERATIONS/PROCEDURES

13.1. Correct procedure for the treatment of residues

General:

Avoid release into the environment. Disposal or dumping in accordance with local/national legislation.

Special precautions:

Handle all empty containers with care as residue vapours may still be inflammable.

14. TRANSPORTATION INFORMATION

Trade name: **TECNOCOAT P-2049 COMP. B**			
Transport Regulations	**ADR**	**IMDG**	**IATA**
ONU Number	UN2735		
Name	AMINES, LIQUID, CORROSIVE, N.O.S.		
NOS Name	Isophorone diamine and m-xylylene		
Danger Labels			
Packing group	III		
Tunnels classification	(E)	---	---
Flash point (ºC)	>100 ºC		
angerous environment / Marine Pollutant	NO	NO	NO
Packing Instruction	P001	P001	Y841 / 852 / 856

15. REGULATORY INFORMATION

15.1. Specific legislation and regulations relating to health, safety and the environment applicable to the substance or mixture

Legislation and regulations relating to health, safety and the environment:

Ensure compliance with all local and national laws and regulations.

15.2. Chemical safety assessment

Chemical safety assessment:

Not undertaken.

16. OTHER INFORMATION

Abbreviations and acronyms: Not applicable.

Source of data:

(EC) Regulation No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND COUNCIL dated 16th December 2008 relating to the classification, labelling and packaging of substances and mixtures, issued for the purpose of modifying and replacing EEC Directives 67/548/EEC and 1999/45/EC and modifying (EC) Regulation No. 1907/2006

List of referenced H phrases:

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In accordance with (EC) REACH regulation No. 1907/2006 and (EC) CLP regulation No. 1272/2008

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