

# SAFETY DATA SHEET

## G-2049.I

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REFERENCE G-2049.I (COMP. A)

VERSION v.2

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### 1.-PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

Product name : G-2049.I (COMP. A)  
Product description : isocyanate

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Component of a Polyurethane System

#### 1.3 Details of the supplier of the safety data sheet

Supplier Tecnopól, SL. - Pol. Ind. "Z" - C/ de la Prensa, 5 - CP: 08150 - Parets del Vallès (Barcelona) Telf. 93 568 21 11 - Fax. 93 568 02 11

e-mail address of person responsible for this SDS : info@tecnopol.es

1.4 Emergency telephone number : (toxicological national institute) 0034 915 62 04 20

### 2. - COMPOSITION / INGREDIENTS INFORMATION

Diphenylmethane diisocyanate, mixture of isomers.

Hazardous Ingredients: Diphenylmethane diisocyanate - CAS Number 009016-87-9> 99%

### 3. - IDENTIFICATION OF HAZARDS

Harmful if swallowed.

Direct contact irritates the eyes and skin.

Inhalation during use as an aerosol is irritating to the respiratory tract and mucous membranes.

May cause sensitization.

### 4. - FIRST AID

Ingestion: Never give fluids or induce vomiting patient if you are unconscious or having convulsions.

Inhalation: Remove to fresh air. If effects occur, consult a doctor.

Skin Contact: Remove contaminated clothing. Wash skin with water.

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several minutes. If effects occur, consult a physician, preferably an ophthalmologist. Consult your doctor.



## 5. - FIRE FIGHTING MEASURES

Extinguishing Media: Water fog or only in large quantities. Carbon dioxide (CO<sub>2</sub>). Alcohol-resistant foam, dry chemical extinguishers.

Hazardous Combustion Products: Oxides of carbon, nitrogen and hydrogen cyanide. Incomplete combustion may cause an increase of toxic pyrolysis products.

Protective equipment for fire fighting personnel: Wear self contained breathing apparatus in positive pressure.

Specific Fire or Explosion Hazards: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and / or irritating ..

Specific methods to extinguish the fire: Evacuate personnel located downwind. Fire residues should be disposed of according to local regulations. Do not pour the water used to extinguish the fire in streams, rivers and lakes.

## 6. - MEASURES ACCIDENTAL RELEASE

Personal Precautions: Wear appropriate personal protective equipment.

Exposure controls / protection from spills: Spills can cause slippery surfaces.

Environment: Dike to prevent contamination of groundwater and surface water, then transfer to closed containers. If possible, recover or dispose of according to applicable regulations.

## 7. - HANDLING AND STORAGE

Handling: Since polyols are handled together with isocyanates, should properly differentiate the two products, it is essential to avoid undesirable mixtures that result in an uncontrolled polymerization.

Storage: Keep container tightly closed, this product reacts with moisture, avoid contact with water at all times. The recommended storage temperature is 10-25 deg. ° C.

DO NOT EXPOSE SUCH CONTAINERS TO SOURCES OF IGNITION, or extreme temperatures.

## 8. - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: We have set OELs (Occupational Exposure Limits) for MDI in most countries with values between 5-20 ppb ..

Engineering Controls: Good general ventilation should be sufficient for most conditions. But the smell and irritancy of this product are inadequate to warn of excessive exposure therefore controls must be installed technical and carry out regular monitoring to ensure that exposure to vapor / aerosol is minimal

Personal Protective Equipment:

Respiratory Protection: When handling in aerosol form to use an approved air-purifying respirator.

Skin Protection: Use gloves: PVC. Time taken is not established. Removed immediately after the contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking or smoking. Should be washed and / or dry clean contaminated clothing.

Eye / Face: Wear safety goggles to avoid splashes.



## 9. - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Appearance: slightly viscous liquid

Color: Dark Brown

Smell: Slightly stale

Change of state:

Melting point / Melting range: inferior form crystals at room temperature at 10 ° C

Boiling point / Boiling range: > 200 ° C

Flash point > 200 ° C

Water solubility Not soluble, reacts by giving off CO<sub>2</sub> boiling

Self-igniting: Product is not flammable

Danger of explosion: Product is not explosive

Density 1.210 to 1.250 g/cm<sup>3</sup> at 25 ° C

## 10. - STABILITY AND REACTIVITY

Chemical Stability: The product is stable under recommended storage conditions.

Materials to Avoid: Acids. Oxidizing agents, amines, bases, galvanized metals, alcohols, copper and its alloys and Water.

Hazardous Decomposition Products: None under normal conditions of storage and use.

## 11. - TOXICOLOGICAL INFORMATION

May cause sensitization by inhalation or by skin contact.

## 12. - ECOLOGICAL INFORMATION

The product is decomposed biologically. N is a product classifiable as dangerous to aquatic organisms.

Do not allow product to reach ground water or sewage system.

## 13. - DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized.

Incinerate under controlled conditions in accordance with the laws and local and national regulations.

## 14. - TRANSPORT INFORMATION

Product classified only for bulk transport by ship.



## 15. - REGULATORY INFORMATION

Symbol of danger:



H phrases:

H315 Causes skin irritation.  
 H317 May cause allergic skin reaction.  
 H319 Causes severe eye irritation.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 H373 May cause damage to organs through prolonged or repeated exposures.

P phrases:

P260 Do not breathe dust / fume / gas / mist / vapors / spray.  
 P280 Wear protective gloves / clothing / eye / face protection.  
 P285 in case of inadequate ventilation wear respiratory protection equipment.  
 P302 + P352 In case of contact with skin: Wash with soap and water abundant.  
 P304 + P340 If inhaled: remove to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338 In case of contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy. Further clarification.  
 P309 + P311 In case of exposure or if it is wrong to call a POISON CENTER or a doctor.

Hazardous ingredient that determines the label: Diphenylmethane diisocyanate (mixture of isomers and homologues (> 99%))

## 16. - OTHER INFORMATION

The information in this Safety Data Sheet Product is based on current knowledge and on current laws of the EU and national, in that the working conditions of users are beyond our knowledge and control. The product should not be used for purposes other than those specified without first obtaining written handling. It is always your responsibility to take appropriate measures to comply with the requirements of current legislation. The information in this MSDS is meant as a description of the product safety requirements and should not be considered as a guarantee of its properties.

