

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Base-IC, Part B
Synonyms:
Product Number: 40-BI-1GB
Company: Durável
Address: P.O. Box 1141, Davidson NC 28036
Business Phone: (704) 837-7991
Emergency Phone: Chemtrec US (800) 424-9300 CNN 874540
Date of Current Revision: August 10, 2020

SECTION 2: HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity	Category 4
Skin irritation	Category 2
Skin sensitization	Category 1
Eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

EMERGENCY OVERVIEW: This product is a transparent liquid.

DANGER!

Hazard Statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 May cause damage to organs through prolonged or repeated exposure.
 Harmful if inhaled.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.
 May cause respiratory irritation.



Appearance: Transparent
Liquid

Physical State: Liquid

Odor: Slight

Precautionary Statements – Prevention

If medical advice is needed, have product container or label at hand. Keep out of reach of children.

Read label before use.

Do not breathe dust/fume/gas/mist/vapors/spray.

In case of inadequate ventilation wear respiratory protection.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens if present and easy to do. Continue rinsing.

Specific treatment (see on this label).

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Wash contaminated clothing before reuse.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If skin irritation occurs: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Precautionary Statements - Storage

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.

Precautionary Statements – Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

Hazards Not Otherwise Classified (HNOC)

Contains isocyanates. May produce an allergic reaction.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight - %	Trade Secret
4,4'-methylenediphenyl diisocyanate	101-68-8	n/a	*
Modified MDI	25686-28-6	n/a	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST-AID MEASURES

Description of First Aid Measures

General Advice Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.

Eye Contact IF IN EYES: Immediately remove contact lenses if possible. If eye irritation persists: Get medical advice/attention.

Skin Contact IF ON SKIN (or hair): Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Inhalation IF INHALED: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably inside position for transportation.

Ingestion IF SWALLOWED: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed

Symptoms Breathing difficulty. Danger of impaired breathing.

Indication of any immediate medical attention and special treatment needed

Note to Physicians Treat skin and mucous membrane with antihistamine and corticoid preparations. For additional information, see Safety Data Sheet.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO2, powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media Not available.

Specific hazards arising from the chemical

No further relevant information available.

Hazardous combustion products Not available.

Explosion Data

Sensitivity to Mechanical Impact Not available

Sensitivity to Static Discharge Not available.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use respiratory protective device against the effects of fumes/dust/aerosol.
Ensure adequate ventilation

Environmental Precautions

Environmental precautions Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up

Methods for containment and cleaning up Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice for safe handling Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing fumes from hot material. Use with local exhaust ventilation. Avoid inhalation of vapor or mist. Avoid contact with eyes. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Incompatible Materials Store away from food items.

SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION**Control parameters**

Exposure guidelines 4,4'-methylenediphenyl diisocyanate CAS# 101-68-8 PEL (USA) Short term value: C 0.2 mg/m³, C 0.02 ppm REL (USA) Short term value: C 0.2* mg/m³, C 0.02* ppm Long term value: 0.05 mg/m³, 0.005 ppm TLV 0.051 mg/m³, 0.005 ppm

Appropriate engineering controls

Engineering controls General/Local Ventilation Recommended.

Individual protection measures, such as personal protective equipment

Eye and face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.
Respiratory protection	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the workday. Keep away from food items, beverages, and feed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight
Appearance	Transparent Liquid	Odor Threshold	No data available
Color	Transparent Brown Liquid		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	Not Established	
Melting point/freezing point	Not Established	
Boiling point/Boiling range	Not Established	
Flash point	Not Relevant	CC (closed cup)
Evaporation rate	Not Established	
Flammability (solid, gas)	Not Relevant	
Flammability Limit in Air		
Upper flammability limit:	Not Established	
Lower flammability limit:	0.4 Vol %	
Vapor pressure	Not Established	
Vapor density	Not Established	
Relative density	1.1 g/cm ³ @ 20° C	
Water solubility	Fully Soluble	
Solubility in other solvents	Not Established	
Partition coefficient	Not Established	
Autoignition temperature	Not Established	ASTM E659
Decomposition temperature	Not Established	
Kinematic viscosity	Not Established	
Dynamic viscosity	Not Established	
Explosive properties	Not Established	
Oxidizing properties	Not Established	

Other Information

Softening point	Not Established
Molecular weight	Not Established
VOC Content (%)	< 50 g/L (Mixed A&B)
Density	Not Established
Bulk Density	Not Established

SECTION 10: STABILITY AND REACTIVITY**Reactivity**

Not Available

Chemical stability

No thermal decomposition if used and stored according to specifications.

Possibility of Hazardous Reactions

Reacts with strong oxidizing agents, inorganic acid chlorides, strong acids, strong alkali, and amines. Exothermic polymerization.

Conditions to avoid

No further relevant information available.

Incompatible materials

No further relevant information available.

Hazardous Decomposition Products

Poisonous gases/vapors, carbon monoxide and carbon dioxide, hydrogen cyanide (prussic acid), nitrogen oxides, and isocyanate.

SECTION 11: TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Direct contact and vapor inhalation
Eye contact	Direct contact
Skin contact	Direct contact
Ingestion	Direct contact

Information on toxicological effects

Symptoms May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Irritating to skin.
Serious eye damage/eye irritation Irritating to eyes. Risk of serious damage to eyes.
Irritation Irritating to eyes, respiratory system and skin

Sensitization	Possible through inhalation and skin contact.
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	Not Available
STOT – single exposure	Not Available
STOT – repeated exposure	May cause damage to organs through prolonged/repeated exposure.
Aspiration hazard	Not Available

Numerical measures of toxicity – Product Information

No available data.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulation

No data available

Other adverse effects

Water hazard class 2 (GER) slightly hazardous for water. Do not allow undiluted product in large quantities to reach ground water, water course, or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	Dispose of in accordance with federal, state and local regulations

SECTION 14: TRANSPORTATION INFORMATION

<u>DOT</u>	Not Regulated
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IATA Not Regulated

IMDG Not Regulated

SECTION 15: REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	No data available
ENCS	No data available
IECSC	No data available
KECL	No data available
PICCS	No data available
AICS	No data available

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

4,4'-methylenediphenyl diisocyanate CAS# 101-68-8

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

US State Right-to-Know Regulations**US EPA Label Information**

SECTION 16: OTHER INFORMATION

NFPA	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2	Flammability 0	Physical hazards 0	Personal Protection
Issue Date	August 3, 2020			
Revision Date	Not applicable			
Revision Note	None			

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

END OF SAFETY DATA SHEET