

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Crack Filler, Part A
Synonyms:
Product Number: Half gallon 10-CF-HGA, One gallon 10-CF-1GA
Company: Durável
Address: 227 Crompton St., Charlotte NC 28273
Business Phone: (704) 837-7991
Emergency Phone: Chemtrec US (800) 424-9300 CNN 1014580
Date of Current Revision: November 16, 2023

SECTION 2: HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

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

Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1

EMERGENCY OVERVIEW: This product is a blue/gray liquid.

DANGER!

Hazard Statements

- Suspected of Causing Cancer
- Causes Serious Eye Irritation
- May Cause Respiratory Irritation
- May Cause Drowsiness or Dizziness
- May be Harmful if Swallowed
- May be Harmful if Swallowed and Enters Airways
- Causes Skin Irritation



Appearance: Blue/Gray
Liquid



Physical State: Liquid



Odor: Solvent

Precautionary Statements – Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed
 Ground/bond container and receiving equipment
 Take action to prevent static discharges
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Avoid release to the environment
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response

IF exposed or concerned: Get medical advice/attention
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 If skin irritation occurs: Get medical advice or attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
 IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor
 Do NOT induce vomiting.
 Take off contaminated clothing and wash before reuse
 In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish.
 Collect spillage

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)

Repeated exposure may cause skin dryness or cracking

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight - %	Trade Secret
Polymeric Diphenylmethane Diisocyanate (pMDI)	9016-87-9	15 – 40	*
Petroleum naphtha, light aromatic	64742-95-6	15 – 40	*
4,4'-Diphenylmethane Diisocyanate (MDI)	101-68-8	10 – 30	*
2,4'-Diphenylmethane Diisocyanate (MDI)	5873-54-1	1 - 5	*

*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	Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms Eye, Skin, and Respiratory Irritation. May cause allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Note to Physicians Treat symptomatically. For additional information, see Safety Data Sheet.

SECTION 5: FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

In a fire or if heated a pressure increase may occur and the container may burst.

Hazardous combustion products

Carbon dioxide (CO₂). Carbon monoxide.

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 personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for cleaning up

Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Dispose according to local regulations. Prevent product from entering drains

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.

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 Keep away from strong oxidizing agents, strong alkalis, and strong acids.

SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION

Control parameters

Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
4,4'-Diphenylmethane Diisocyanate (MDI) 101-68-8	TWA: 0.005 ppm	(vacated) Ceiling: 0.02 ppm regulated under Methylene bisphenyl isocyanate (vacated) Ceiling: 0.2 mg/m3 regulated under Methylene bisphenyl isocyanate Ceiling: 0.02 ppm Ceiling: 0.2 mg/m3	IDLH: 75 mg/m3 Ceiling: 0.020 ppm 10 min Ceiling: 0.2 mg/m3 10 min TWA: 0.005 ppm TWA: 0.05 mg/m3

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 work day.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Solvent
Appearance	Blue/Gray Liquid	Odor Threshold	No data available
Color	Blue/Gray Liquid		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
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pH	Not Relevant	
Melting point/freezing point	Not Available	
Boiling point/Boiling range	No data available	
Flash point	42° C (108° F)	CC (closed cup)
Evaporation rate	Not Available	
Flammability (solid, gas)	Not Relevant	
Flammability Limit in Air		
Upper flammability limit:	Not Available	
Lower flammability limit:	Not Available	
Vapor pressure	Not Available	
Vapor density	Not Available	
Relative density	.998 @ 70° F	
Water solubility	Insoluble in water	
Solubility in other solvents	Not Available	
Partition coefficient	Not Available	
Autoignition temperature	Not Available	
Decomposition temperature	Not Available	
Kinematic viscosity	Not Available	
Dynamic viscosity	Not Available	
Explosive properties	Not Available	
Oxidizing properties	Not Available	

Other Information

Softening point	Not Relevant
Molecular weight	Not Available
VOC Content (%)	> 700 g/L
Density	Not Available
Bulk Density	Not Available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not Available

Chemical stability

Stable

Possibility of Hazardous Reactions

Hazardous polymerization does not occur

Conditions to avoid

Extremes of temperature and direct sunlight. Heat, flames and sparks

Incompatible materials

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions, carbon oxides

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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Polymeric Diphenylmethane Diisocyanate (pMDI) 9016-87-9	= 49 g/kg (Rat)	> 9400 mg/kg (Rabbit)	= 490 mg/m3 (Rat) 4h
Petroleum naphtha, light aromatic 64742-95-6	--	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4h = 3400 ppm (Rat) 4h
4,4'-Diphenylmethane Diisocyanate (MDI) 101-68-8	= 31600 mg/kg (Rat) = 9200 mg/kg (Rat)		= 369 mg/m3 (Rat) 4h

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 No data available
Germ cell mutagenicity No data available
Carcinogenicity No data available

Chemical Name	ACGIH	IARC	NTP	OSHA
Polymeric Diphenylmethane Diisocyanate (pMDI) 9016-87-9	--	Group 3	--	--
4,4'-Diphenylmethane Diisocyanate (MDI) 101-68-8	--	Group 3	--	--

Reproductive toxicity Not Available
STOT – single exposure Not Available
STOT – repeated exposure Not Available
Aspiration hazard Not Available

Numerical measures of toxicity – Product Information

No available data.

SECTION 12: ECOLOGICAL INFORMATION

Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Petroleum naphtha, light aromatic 64742-95-6	--	9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No data available

Bioaccumulation

No data available

Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Dispose of in accordance with all federal, state, and local regulations.
Contaminated packaging	Dispose of in accordance with federal, state and local regulations

SECTION 14: TRANSPORTATION INFORMATION

<u>DOT</u>	Not Regulated
Marine pollutant	Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

<u>IATA</u>	
UN/ID no.	1263
Proper Shipping Name	Paint Related Material
Hazard Class	3
Packing Group	II

<u>IMDG</u>	
UN/ID no.	1263
Proper Shipping Name	Paint Related Material
Hazard Class	3
Packing Group	II

SECTION 15: REGULATORY INFORMATION

<u>International Inventories</u>	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies

AICS

Complies

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDL** - 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

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	--
Sudden release of pressure hazard	--
Reactive hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
4,4'-Diphenylmethane Diisocyanate (MDI) 101-68-8	5000 lbs	--	RQ 5000 lb final RQ RQ 2270 kg final RQ

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 Class IC Liquid, flash point at or above 73°F, boiling point not available

Issue Date	August 3, 2020
Revision Date	November 16, 2023
Revision Note	Address

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