

SAFETY DATA SHEET**H.B. Fuller® FH-3140-A**

Version 1.2

Revision Date 03/24/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : H.B. Fuller® FH-3140-A
Product code : 100000002636

Manufacturer or supplier's details

Company : H.B. Fuller Company
Address : 1200 Willow Lake Boulevard
Vadnais Heights, MN 55110
Telephone : 1-888-423-8553

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Isocyanate based product
Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance	liquid
Color	colorless
Odor	sweet

GHS Classification

Skin irritation : Category 2
Eye irritation : Category 2A
Respiratory sensitization : Category 1
Skin sensitization : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements:

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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Precautionary Statements:

Prevention: P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ eye protection/ face protection. P285 In case of inadequate ventilation wear respiratory protection.

Response: P302 + P352 IF ON SKIN: Wash with plenty of water. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Aggravated Medical Condition : None known.
Symptoms of Overexposure : Breathing difficulties

Carcinogenicity:**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
Dicyclohexylmethane-4, 4-diisocyanate prepolymer	Not Assigned	80 - 100
4,4'-methylenedicyclohexyl diisocyanate	5124-30-1	7 - 13

SECTION 4. FIRST AID MEASURES

General advice : Show this material safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.
If symptoms persist, call a physician.

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|---|---|
| In case of skin contact | : Get medical attention if irritation develops and persists.
Take off contaminated clothing and shoes immediately.
Wash contaminated clothing before re-use. |
| In case of eye contact | : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| If swallowed | : Do not induce vomiting. If conscious, give 2 glasses of water.
Get immediate medical attention. |
| Most important symptoms and effects, both acute and delayed | : Breathing difficulties

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled. |

SECTION 5. FIRE-FIGHTING MEASURES

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| Suitable extinguishing media | : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Specific hazards during fire fighting | : Burning produces irritant fumes. |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | : Refer to protective measures listed in sections 7 and 8. |
| Methods and materials for containment and cleaning up | : Soak up with inert absorbent material.
Shovel into suitable container for disposal.
Neutralize with the following product(s):
Ammonia |

SECTION 7. HANDLING AND STORAGE

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| Local/Total ventilation | : Use only with adequate ventilation. |
| Advice on safe handling | : Protect from moisture. |

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Avoid inhalation, ingestion and contact with skin and eyes.

Materials to avoid : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
4,4'-methylenedicyclohexyl diisocyanate	5124-30-1	TWA	0.005 ppm	ACGIH
		C	0.01 ppm 0.11 mg/m ³	OSHA P0
		PEL	0.005 ppm 0.054 mg/m ³	CAL PEL

Engineering measures : Use local exhaust ventilation or other engineering controls to minimize exposures.**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection
Material : Nitrile rubber

Eye protection : Safety glasses with side-shields

Hygiene measures : Avoid contact with skin, eyes and clothing.
Provide adequate ventilation.**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance : liquid
Color : colorless
Odor : sweet
Odor Threshold : no data available
pH : Not applicable
Melting point/freezing point : is not determined

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Initial boiling point and boiling range	: is not determined
Flash point	: Not applicable 149 °C
Evaporation rate	: is not determined
Flammability (solid, gas)	: Not classified as a flammability hazard
Upper explosion limit	: Upper flammability limit is not determined
Lower explosion limit	: Lower flammability limit is not determined
Vapor pressure	: is not determined
Density	: 8.50 - 8.70 lb/gal
Solubility(ies)	
Water solubility	: is not determined
Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	: is not determined
Viscosity	
Viscosity, dynamic	: is not determined
Viscosity, kinematic	: is not determined
Solid Content, % by weight:	: 100

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Incompatible materials	: Amines Strong acids and strong bases
Hazardous decomposition products	: Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute inhalation toxicity	: Acute toxicity estimate : 27.16 mg/l
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Exposure time: 4 Hours
Test atmosphere: vapor
Method: Calculation method

Components:**4,4'-methylenedicyclohexyl diisocyanate:**

Acute oral toxicity : LD50 Oral Rat: 1,065 mg/kg

Acute inhalation toxicity : LC50 Rat: 0.434 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal Rabbit: > 10,000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

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Components:**4,4'-methylenedicyclohexyl diisocyanate :**

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 1.2 mg/l
Exposure time: 96 h
Test Method: static test

Persistence and degradability

No data available

Bioaccumulative potential**Mobility in soil**

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN/ID No. : UN 3334
Proper shipping name : Aviation regulated liquid, n.o.s.
(4,4'-DICYCLOHEXANEDIISOCYANATE)
Class : 9
Packing group : III
Labels : Miscellaneous

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**49 CFR**

UN/ID/NA number : NA 3082
Proper shipping name : Other regulated substances, liquid, n.o.s.
(4,4'-DICYCLOHEXANEDIISOCYANATE)

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Class : 9
Packing group : III
Labels : CLASS 9
Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Respiratory or skin sensitization
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

4,4'-methylenedicyclohexyl diisocyanate 5124-30-1

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

US State Regulations

California Prop 65 Please contact Supplier for more information.

The ingredients of this product are reported in the following inventories:

TSCA All substances listed as active on the TSCA inventory
ENCS On the inventory, or in compliance with the inventory
Please reach out to H.B. Fuller for further information regarding chemical inventories not listed above.**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

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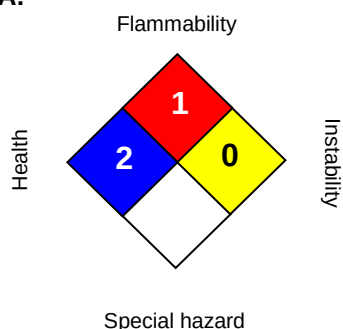
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SECTION 16. OTHER INFORMATION

Prepared by: Global Regulatory Office - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

Further information

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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