

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Product Name: HL3008
Stock Number: 849050PM
Product Description: HOT MELT MOISTURE CURE ADHESIVE (PUR)
Intended Use: For industrial use only

Supplier Information:

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FIRE: 119

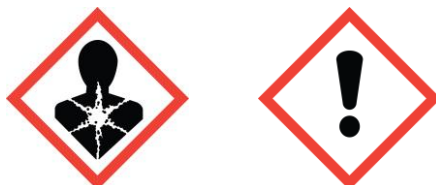
SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview: Colour:Yellow, Odour:Odorless, Physical state:Solid. May cause damage to organs through prolonged or repeated exposure. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Causes serious eye irritation. May cause an allergic skin reaction. Causes mild skin irritation

GHS Hazard Categories:

Respiratory Sensitisation Category 1
Skin Sensitisation Category 1
Serious Eye Damage/Eye Irritation Category 2

Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2
Skin Corrosion/Irritation Category 3

GHS Label Elements:
GHS Symbols:

GHS Signal Word:

Danger

GHS Hazard Phrases:

H316-Causes mild 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; H373-May cause damage to organs through prolonged or repeated exposure

GHS Precautions:
Safety Precautions:

P260-Do not breathe dust/fume/gas/mist/vapors/spray. P264-Wash thoroughly after handling. P272-Contaminated work clothing must not be allowed out of the workplace. P280-Wear protective gloves/protective clothing/eye protection/face protection. P284-[In case of inadequate ventilation] wear respiratory protection.

First Aid Measures:

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. P314-Get medical advice/attention if you feel unwell. P332+P313-If skin irritation occurs: Get medical advice/attention. 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 in accordance with local/regional/national/international regulation for chemical wastes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS number	Percent%	GHS Classification
Methylene bisphenyl diisocyanate (MDI)	101-68-8	1 - 5	Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT RE 2; H373 STOT SE 3; H335

Unlisted components are not classified as hazardous. The range of content is greater than or equal to the lower limit, but less than the upper limit.

SECTION 4: FIRST AID MEASURES

Description of first aid measures:
Inhalation:

Remove to fresh air. Call a physician if symptoms persist. If exposed to excessive levels

	of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
Eye Contact:	None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. For hot product, immediately flush eyes with plenty of water for at least 20 minutes. Get immediate medical attention.
Skin Contact:	Wash with soap and water. For hot material, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean gauze and do not attempt to remove the material yourself. Get prompt medical attention. Medical personnel: coat with mineral oil to soften material for removal.
Ingestion:	Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.
Most important symptoms and health effects:	Causes mild skin irritation May cause an allergic skin reaction Causes serious eye irritation May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause damage to organs through prolonged or repeated exposure
Advice for protecting first-aid responders:	No data available.
Special notes to physicians:	No additional first aid information available

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media:	A solid stream of water may scatter molten product. Use water spray, foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	None known
Specific hazards:	Vapors are heavier than air and can travel to a source of ignition and flash back.
Hazardous combustion products:	Carbon dioxide, Carbon monoxide, Nitrogen containing gases
Fire precautions and protective measures:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this SDS.
Environmental precautions:	No data available.
Methods and materials for containment and cleanup of chemical spills:	
Small spills:	Refer to information provided for large spills
Large spills:	Allow molten material to solidify before disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.
Precautionary measures to prevent the occurrence of secondary disasters:	No data available.

SECTION 7: HANDLING AND STORAGE

Handling:	No data available. Avoid breathing vapors/fumes of heated product. Prevent contact with molten product.
Storage:	
Conditions for safe storage:	Store in a cool, dry, ventilated location. Keep away from heat, sparks, flame and other

sources of ignition. Keep container closed.

**Materials to Avoid/Chemical
Incompatibility:**

Water, Alcohols, Amines, Strong acids, Strong alkalies

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational exposure limits GBZ2.1:**

Chemical Name	China - Occupational Exposure Limits – TWAs	China - Occupational Exposure Limits – STELs	China - Occupational Exposure Limits – Ceilings	Note
Methylene bisphenyl diisocyanate (MDI)	0.05 mg/m3 TWA	0.1 mg/m3 STEL	No data available.	No data available.

Biological limits:

Chemical Name	Biological limits
Methylene bisphenyl diisocyanate (MDI)	No data available.

Monitoring method:

No data available.

Engineering controls:

General room ventilation might be required under normal conditions of use. At the application temperature, use of local exhaust over the premelting reservoir is encouraged.

Personal protective equipment:**Respiratory Protection:**

No respiratory protection required under normal conditions of use.

Eye and face protection:

Wear safety glasses when handling this product.

Skin and body protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. When material is heated, wear thermally insulating gloves to protect against thermal burns.

Hand protection:

Not normally required. Use nitrile gloves if conditions warrant.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Physical state:**

Solid

Colour:

Yellow

Odour:

Odorless

pH:

Not established

Melting point (°C):

Not established

Freezing point (°C):

No data available.

Boiling point, Initial boiling point and boiling range (°C):

Not established

Flash Point (°C):

Not applicable

Explosion limit [% (volume fraction)] upper:

Not applicable

Explosion limit [% (volume fraction)] lower:

Not applicable

Relative Density (Water=1):	1.05
Solubility:	Insoluble in water
Octanol/water partition coefficient:	Not established
Auto-ignition temperature (°C):	No data available.
Decomposition Temperature (°C):	No data available.
Evaporation Rate:	Not established
Flammability:	Not flammable
Vapour pressure:	Not established
Vapour density:	Not established
Viscosity(mPa.s):	Not established

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Hazardous reactions:	Will not occur.
Conditions to avoid:	None known.
Incompatible materials:	Water, Alcohols, Amines, Strong acids, Strong alkalies
Hazardous decomposition products:	Nitrogen containing gases, Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

This product is a mixture. Unless noted, the information below is based on components.

Acute toxicity:

Based on available data, the GHS classification criteria are not met.

Skin irritation or corrosion:

Causes mild skin irritation.

Eye irritation or corrosion:

Causes serious eye irritation.

Respiratory or skin allergies:

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutation:

No data available.

Carcinogenicity:

No data available.

Reproductive toxicity:

No data available.

Specific target organ system toxicity - single exposure:

No data available.

Specific target organ system toxicity - repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Inhalation hazard:

Not an aspiration hazard.

Medical Conditions Aggravated:

Skin disease including eczema and sensitization Lung disease Persons with existing asthmatic conditions may experience difficulty breathing. Persons who have been sensitized to isocyanates may experience symptoms at very low exposure levels.

Hazards specific to product use:

Contact with product at elevated temperatures can result in thermal burns.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity:**

No ecological information available for this product.

Ecological Toxicity Data:

This product has not been tested for ecological effects. Relevant information for components is listed below:

Chemical Name	Ecotoxicity values:
No data available.	Aquatic EC50 Crustacea: Aquatic ERC50 Algae: Aquatic LC50 Fish:

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

Other environmentally harmful effects:

None known

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Chemicals:**

Disposal should be in accordance with local or national legislation.

Contaminated Packaging:

Empty packaging may contain residues, dispose the contaminated packaging according to national and/or local regulations.

SECTION 14: TRANSPORT INFORMATION**JT/T 617:**

Not regulated

IATA:

Not regulated

IMDG:

Not regulated

TRANSPORTATION

Not applicable

INSTRUCTION**SECTION 15: REGULATORY INFORMATION****INVENTORY STATUS**

CHINA IECSC INVENTORY: The ingredient of the product is listed/exempted or registered.

U.S. TSCA Inventory: The product contains a substance that is not listed on the TSCA inventory.

CANADA DSL: This product contains one or more components which have not been determined to be on the DSL. If you are the importer of this product into Canada, contact H.B. Fuller for chemical

EU REACH:

tracking and notification information.

This product is not registered under EU REACH, but articles using this product can be imported into the European Union. If you need information about Substances of Very High Concern (SVHCs), please contact H.B. Fuller for product status.

AUSTRALIA AICS:

This product contains one or more components that are not on the Australian Inventory (AICS).

Substances of China 2015 Inventory of Hazardous Chemicals:

Unless listed below, this product does not contain any chemicals listed in China 2015 Inventory of Hazardous Chemicals at 0.1% or greater, as of the revision date of this SDS.

4,4'-Methylenediphenyl diisocyanate

SECTION 16: OTHER INFORMATION**Revision Number:**

1

Revision Date:

03-04-2024

Abbreviations and acronyms:

CAS = Chemical Abstract Service

DNEL= Derivative No Effect Level

EINECS = European Inventory of Existing Chemical Substances

MSHA = Mine Safety Health Administration

NIOSH = National Institute of Occupational Safety & Health

OEL = Occupational Exposure Limit

PBT= Persistent, Bioaccumulative, Toxic

PNEC= Predicted No Effect Concentration

SCOEL= Scientific Committee on Occupational Exposure Limits

TLV = Threshold Limit Value

TWA= Time Weighted Average

vPvB= Very Persistent, Very Bioaccumulative

Wt.% = Weight Percent

Prepared by:

AP Product Stewardship team; Contact: 8620-3210-6201

Disclaimer:

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