



# Safety Data Sheet

[Tuffalloy 4272A]

## Section 1. Identification

Product Identifier [Tuffalloy 4272A]  
Synonyms N/A  
Manufacturer Stock Numbers N/A

Recommended use Moulding Compound  
Uses advised against N/A

Manufacturer Contact  
Address Hapco Inc.  
353 Circuit St.  
Hanover, MA, 02339  
U.S.A

Phone  
(781) 826-8801

Emergency Phone  
(800) 424-9300  
CHEMTREC Night and  
day

Fax  
(781) 826-9544

Website  
[www.hapcoweb.com](http://www.hapcoweb.com)

## Section 2. Hazards Identification

Classification ACUTE TOXICITY - DERMAL - Category 4  
ACUTE TOXICITY - ORAL - Category 4  
EYE DAMAGE/IRRITATION - Category 2B  
SENSITIZATION - RESPIRATORY - Category 1  
SKIN CORROSION/IRRITATION - Category 1B

Signal Word Danger

Pictogram



Hazard Statements

Causes eye irritation  
Causes severe skin burns and eye damage  
Harmful if swallowed  
Harmful in contact with skin  
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements

Response

Call a poison center/doctor/ ... /if you feel unwell.  
If experiencing respiratory symptoms: Call a poison center/doctor/ ...  
If eye irritation persists: Get medical advice/attention.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If on skin: Wash with plenty of water/ ...  
If swallowed: Call a poison center/doctor/ ... / if you feel unwell.  
If swallowed: Rinse mouth. Do NOT induce vomiting.  
Immediately call a poison center/doctor/ ...  
Rinse mouth.  
Specific treatment (see ... on this label)  
Take off immediately all contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.

Prevention

[In case of inadequate ventilation] wear respiratory protection.  
Avoid breathing dust/fume/gas/mist/ vapors/spray.  
Do not breathe dust/fume/gas/mist/ vapors/spray.  
Do not eat, drink or smoke when using this product.  
Wash ...thoroughly after handling.  
Wear protective gloves/protective clothing.  
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store locked up.

Disposal

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

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Emergency Overview

Contains CAS# 101-68-8; inhalation of MDI mists or vapors may cause respiratory irritation, breathlessness, chest discomfort, and reduced pulmonary function.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
26447-40-5	Benzene, 1,1'-methylenebis[isocyanato-	10% - Max
101-68-8	Benzene, 1,1'-methylenebis[4-isocyanato-	50% - Max
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	50% - Max
	Mixture of plasticizers, proprietary, non-hazardous	Proprietary %

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

Ingestion	Drink 1-2 glasses of water or milk. Induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.
Inhalation	Move to fresh air. Aide in breathing if necessary. Get medical attention.
Skin Contact	Remove contaminated clothing. Launder clothing before re-use. Wash skin promptly with soap and water. Get medical attention if irritation persists.
Eye Contact	Immediately rinse eyes with running water for at least 15-30 minutes. Seek immediate medical attention.

### Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Full emergency equipment with self-contained breathing apparatus and full protective clothing (turnout gear) should be worn by fire fighters. Burning of this material will result in the release of toxic fumes. Closed containers may explode when exposed to extreme heat or burst when contaminated with water (carbon dioxide evolved). Water spray, foam, carbon dioxide, dry chemical
Unsuitable Extinguishing Media	N/A

### Section 6. Accidental Release Measures

Neutralization Chemical	Prepare a solution consisting of Isopropyl alcohol, 20%; Concentrated ammonia solution, 10%; Household-type detergent, 2-5%; Water, balance.
Spill and Leaks	Evacuate nonessential personnel. Remove all sources of ignition and ventilate area. Dike or impound spilled material and control further spillage if feasible. Absorb on inert carrier. Sweep, scrape or vacuum up. Shovel into secure containers for proper disposal. Use personal protective equipment. Areas may be slippery.

### Section 7. Handling and Storage

Product Storage	Store in tightly closed containers in dry, well-ventilated area away from areas of direct heat, and incompatibles. Store at ambient temperature. Keep containers tightly closed and upright when not in use.
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## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Benzene, 1,1'-methylenebis[isocyanato-	N/A	N/A	N/A
	Benzene, 1,1'-methylenebis[4-isocyanato-	N/A	N/A	N/A
	Isocyanic acid, polymethylenepolyphenylene ester	N/A	N/A	N/A
	Mixture of plasticizers, proprietary, non-hazardous	N/A	N/A	N/A

Personal Protective Equipment  
PPE

Goggles, Gloves, Apron

Personal protection equipment selection is best assigned by the user after performing a hazard assessment on the product as it is to be used in the specific work process.

## Section 9. Physical and Chemical Properties

Physical State	liquid
Color	light to med yellow
Odor	N/A
Odor Threshold	N/A
Solubility	Negligible
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	low viscosity
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	MT 200 C
FP Method	COC
Ph	N/A
Melting Point	ND
Boiling Point	MT 240 C
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	LT 0.001 mm Hg
Vapor Density	ND

## Section 10. Stability and Reactivity

Other Reactivity Data	Contact with certain rubbers and plastics can cause imbrittlement or softening of the material with subsequent loss in strength.
Decomposition Products	Oxides of carbon and nitrogen under burning conditions.
Hazardous Polymerization	Will not occur, Avoid heat applied >80 C
Incompatibility	Strong oxidizers, amines, water, alcohols, strong bases
Stability	This is a stable product.

## Section 11. Toxicological Information

Potential Health Effects	Acute or chronic overexposure may cause sensitization in some individuals.
Primary Route(s) of Entry	Eye, Skin contact, Inhalation and Ingestion.
Inhalation	Acute effect: causes temporary irritation of the respiratory tract. Repeated or long term exposure can cause sensitization of the respiratory tract.
Skin	Virtually nontoxic after a single skin contact. Continual skin contact causes irritation and can lead to sensitization.
Eye	Eye contact causes irritation.
Ingestion	Virtually nontoxic after a single ingestion.
Carcinogenicity	Indication of possible carcinogenic effect in animal studies. However, the relevance of this result for humans is unclear.

## Section 12. Ecological Information

No Data Available

## Section 13. Disposal

Disposal	Dispose of waste in compliance with all applicable federal, state and local environmental laws and regulations. Compliance with waste laws and regulations are the responsibility of the waste generator.
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## Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Non-hazardous Liquid Plastic
DOT Classification	Not regulated.
Packing Group	N/A

## Section 15. Regulatory Information

OSHA/HCS status	This product is considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200).
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## Section 16. Other Information

Revision Date

6/15/2015

HMIS III

Health = 2\* Fire= 1 Phy Hzd= 1

Disclaimer

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks and use of the product are therefore assumed by the user and we expressly disclaim all warranties of ever kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Appropriate warnings and safe handling procedures should be provided to handlers and users.

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