

SAFETY DATA SHEET

DATE ISSUED: 2/3/2021
SDS REF. NO: Isotryme 2.0 Component B
SDS REV NO: 2.0

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT TRADE NAME:	Isotryme 2.0 (Component B)
PRODUCT USE:	Spray applied polyurethane foam
MANUFACTURER	Burtin Polymer Innovations 130 E George St Adairsville, GA 30103 678-800-7003
24 HR EMERGENCY TELEPHONE NUMBER	
CHEMTEC (US Transportation):	800-424-9300
CHEMTEC (International Transportation):	202-483-7616

2. HAZARDS AND IDENTIFICATION

GHS Ratings:	Skin corrosive 2 Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation Eye corrosive 2A Eye irritant: Subcategory 2A, Reversible in 21 days
GHS Hazards:	H315 Causes skin irritation H319 Causes serious eye irritation
GHS Precautions:	P264 Wash hands thoroughly after handling P280 Wear protective gloves/protective clothing/eye protection/face protection P321 Specific treatment is urgent (see Section 4 First Aid measures) P362 Take off contaminated clothing and wash before reuse P302+P352 IF ON SKIN: Wash with soap and water P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P332+P313 If skin irritation occurs: Get medical advice/attention P337+P313 Get medical advice/attention

Signal Word: Warning



3. Composition/Data on Components

Chemical Name	CAS number	Weight Concentration %
Glycerol poly(oxyethylene) poly(oxypropylene) ether	9082-00-2	30.00% - 40.00%
Bis(2-dimethylaminoethyl) ether	3033-62-3	1.00% - 5.00%

4. FIRST AID MEASURES

EYES:	Rinse opened eye for at least 15 minutes under running water. Remove contact lenses if present and easy to do so, and continue rinsing. If irritation persists contact Physician
SKIN:	Clean affected area with soap and plenty of water.
INHALATION:	If inhaled and symptoms ensue, move to fresh air. If breathing is difficult, give oxygen.
SWALLOWING:	Consult physician.
NOTES TO PHYSICIAN:	Treat symptomatically

5. FIRE FIGHTING MEASURES

FLASH POINT:	192 C (378 F)
SUITABLE EXTINGUISHING AGENTS:	Water spray, CO2, Foam, Dry chemical
Information about Protection against Explosions and Fires:	Closed containers may rupture when exposed to extreme heat.
Dangerous Products of Decomposition:	Oxides of carbon, oxides of nitrogen
Protective Equipment:	Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Person-Related Safety Precautions:	Avoid contact with skin and eyes.
Measures for Environmental Protection:	Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

7. HANDLING AND STORAGE

Information for Safe Handling:	Avoid contact with skin or inhalation.
Storage Requirements:	Store in dry, well ventilated area. Keep containers tightly closed. Store between 60°F-100°F. Material may settle.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Glycerol poly(oxyethylene) poly(oxypropylene) ether 9082-00-2	Not Established	Not Established	Not Established
Bis(2-dimethylaminoethyl) ether 3033-62-3	Not Established	0.15 ppm STEL 0.05 ppm TWA	Not Established
Engineering Controls: No specific measures required.			

General Protective and Hygienic Measures:	Usual precautionary measures should be adhered to when handling chemicals.
Respiratory protection:	None required if work area is properly ventilated.
Hand Protection:	Protective chemical resistant gloves.
Eye Protection:	Safety glasses.
Body Protection:	Protective work clothing. Launder separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Clear liquid
ODOR:	Mild
ODOR THRESHOLD:	N/A
pH:	N/A
MELTING POINT:	N/A
BOILING POINT:	80° C
FLASH POINT AND METHOD:	378 F, 192 C
EVAPORATION RATE:	N/A
FLAMMABILITY(Solid/Gas):	N/A
FLAMMABLE LIMITS:	N/A TO N/A
VAPOUR PRESSURE:	N/A
VAPOUR DENSITY:	N/A
SPECIFIC GRAVITY:	Average 1.10
% SOLUBILITY IN WATER:	%
EXPLOSION RATE:	N/A
OCTANOL/WATER PARTITION COEFFICIENT:	N/A
AUTO-IGNITION TEMPERATURE:	N/A
DECOMPOSITION TEMPERATURE:	N/A

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:	Avoid contact with isocyanates and strong oxidizing agents .
INCOMPATIBLE MATERIALS:	Not expected to occur.
PRODUCT DECOMPOSITION:	Oxides of carbon, oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity	
Component Toxicity	
3033-62-3	Bis(2-dimethylaminoethyl) ether Oral LD50: 910 mg/kg (Rat) Dermal LD50: 238 mg/kg (Rabbit) Inhalation LC50: 117 ppm (Rat)
Toxicity Values Listed if Known	
Acute Toxicity:	
Eyes:	Irritating to eyes
Oral LD50:	910 mg/kg (Rat)
Dermal LD50:	238 mg/kg (Rabbit)
Inhalation LC50:	117 ppm (Rat)
Skin:	Harmful in contact with skin
Inhalation:	Not expected to be a route of exposure
Ingestion:	Harmful if swallowed. Consult physician
Chronic Effects	Possible harmful target organ effects
Routes of Entry	Ingestion, skin contact, eye contact
Target Organs	Skin, Eyes

Chemicals with Known or Possible Carcinogenic Effects:	CAS Number Description % Weight Carcinogen Rating
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12. ECOLOGICAL INFORMATION

General Information:	Based on experience, no adverse effects are to be expected if correct disposal procedures have been followed as indicated in section 13. Individual component ecotoxicity listed if known.
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13. DISPOSAL CONSIDERATIONS

Recommendation:	Observe local requirements. Dispose of in accordance with local/state/federal regulations.
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14. TRANSPORT INFORMATION

Not considered a dangerous good according to transport regulations unless specifically cited below:	
Agency Proper Shipping Name	UN Number Packing Group Hazard Class

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Acute toxicity (any route of exposure)
Respiratory or skin sensitization
Specific target organ toxicity (single or repeated exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372.

Components	CASRN
Diphenylmethane Diisocyanate, isomers and homologues	9016-87-9
4,4'-Methylenediphenyl diisocyanate	101-68-8

Pennsylvania Worker and Community Right-To-Know Act:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

Legend

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
C	Ceiling
OSHA Z-1	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
STEL	Short term exposure limit
TWA	Time weighted average

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated

with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bio accumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bio accumulative

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

Burtin Polymer Innovations urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.