



Issue Date 02-05-2015

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Revision Number 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product name **BM-101**

Other means of identification

Recommended use of the chemical and restrictions on use

Material Uses Material Uses.
Uses advised against Verify Applications

Details of the supplier of the safety data sheet

Manufacturer

Hangsterfer's Laboratories, Inc., 175 Ogden Road, Mantua, NJ 08051; Phone 856-468-0216, Fax 856-468-0200, Website: www.hangsterfers.com

Emergency telephone number

Emergency telephone number Chemtrec 1-800-424-9300 in US
Canutec 1-613-996-6666 in Canada
For international assistance, dial Chemtrec US number 1-703-527-3887

2. Hazards Identification

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1).
Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1

Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements

CAUSES SKIN IRRITATION
Causes serious eye damage
May cause an allergic skin reaction



Appearance Amber

Physical state Liquid

Odor Mild

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

Specific treatment (see .? on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other Information**

- Harmful to aquatic life with long lasting effects
 - Harmful to aquatic life
- 18.5025% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

Chemical Family Soluble Oil.

Chemical name	CAS-No	Weight-%
2-Amino-2-methyl-1-propanol	124-68-5	5.28
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	4.365
Isopropanolamine	78-96-6	3
2-n-Butyl-benzo[d] isothiazol-3-one	4299-07-4	0.2475

4. First aid measures**First aid measures**

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician if necessary.

Skin contact Wash skin with soap and water. Consult a physician if necessary.

Inhalation Move to fresh air. Consult a physician if necessary.

Ingestion Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-fighting measures**Suitable extinguishing media**

Not applicable.

Specific hazards arising from the chemical

None known.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Remove all sources of ignition. Avoid contact with the skin and the eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

Other Information Report spills as required to the appropriate authorities.

Environmental precautions

Environmental precautions No information available.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take all appropriate steps to avoid contamination of ground water.

7. Handling and Storage**Precautions for safe handling**

Handling Keep container in a well-ventilated place. Avoid contact with skin and eyes. Do not puncture, crush or incinerate containers.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition.

Incompatible materials Acids and oxidizing agents.

8. Exposure Controls/Personal Protection**Control parameters**

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Use in well ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m³; ACGIH TLV STEL: 10 mg/m³; OSHA PEL TWA: 5 mg/m³).

Individual protection measures, such as personal protective equipment

Eye/face protection Goggles.

Skin and Body Protection Use protective gloves and clothing if contact with product is likely.

Respiratory protection If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	Amber	Odor threshold	No information available
Color	Amber		
Property	Values	Remarks • Method	
pH	9.3		
Melting point / freezing point	No information available		
Boiling point	100 °C / 212 °F		
Flash point	Not flammable		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit	No unusual hazard		
Lower flammability limit	No unusual hazard		
Vapor pressure	No information available		
Vapor density	No information available		
Specific gravity	1.02		
Water solubility	Soluble in water		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No unusual hazard		
Decomposition temperature	No unusual hazard		
Kinematic viscosity	60 cSt @ 40°C / 270 SUS @ 100°F		
Dynamic viscosity	No information available		
VOC Content, % Vol	Request additional information		

10. Stability and Reactivity

Reactivity

No unusual hazard

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal use conditions.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Acids and oxidizing agents.

Hazardous decomposition products

Carbon oxides.

11. Toxicological Information

Information on likely routes of exposure

Product Information

Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-Amino-2-methyl-1-propanol 124-68-5	= 2900 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
Alcohols, C12-14-secondary, ethoxylated 84133-50-6	= 2100 mg/kg (Rat)		
Isopropanolamine 78-96-6	= 1715 mg/kg (Rat)		

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Sensitization	No known effect.
Mutagenic Effects	No known effect.
Carcinogenicity	No known effect.
Reproductive effects	No known effect.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic toxicity	No known effect.
Aspiration Hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 18.5025% of the mixture consists of ingredient(s) of unknown toxicity

12. Ecological Information**Ecotoxicity**

35.1875% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
2-Amino-2-methyl-1-propanol 124-68-5	520: 72 h Desmodesmus subspicatus mg/L EC50	190: 96 h Lepomis macrochirus mg/L LC50 static		193: 48 h Daphnia magna mg/L EC50
Alcohols, C12-14-secondary, ethoxylated 84133-50-6	No information available	3.2: 96 h Pimephales promelas mg/L LC50		EC50 = 3.2 mg/L 48 h
Isopropanolamine 78-96-6	23: 72 h Desmodesmus subspicatus mg/L EC50	2390 - 2650: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 27.2 mg/L 5 min	108.82: 48 h Daphnia magna Straus mg/L EC50

Persistence/Degradability

No additional remarks.

Chemical name	Log Pow
Isopropanolamine 78-96-6	-0.94

Other adverse effects No additional remarks

13. Disposal Considerations

Waste treatment methods

Waste Disposal Method	Dispose of in accordance with federal, state and local regulations.
Contaminated packaging	Do not reuse empty containers.

14. Transport Information**DOT**

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

TDG

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

IMDG/IMO

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

ADR/RID

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
ADR/RID-Labels	Not regulated
Description	Not regulated

IATA

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Labels	Not regulated
Packing group	Not regulated
Description	Not regulated

PG* : Packing group

15. Regulatory information

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS-No	Weight-%	SARA 313 - Threshold Values %
2-Amino-2-methyl-1-propanol - 124-68-5	124-68-5	5.28	
Alcohols, C12-14-secondary, ethoxylated - 84133-50-6	84133-50-6	4.365	
Isopropanolamine - 78-96-6	78-96-6	3	
2-n-Butyl-benzo[d] isothiazol-3-one - 4299-07-4	4299-07-4	0.2475	

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. Regulations & Inventories**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the TSCA inventory or are exempt from listing. See Section 16 for explanation of column headings.

Chemical name	New Jersey	Massachusetts	Pennsylvania
2-Amino-2-methyl-1-propanol 124-68-5	X	X	X
Isopropanolamine 78-96-6	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information**NFPA**

HEALTH 1

Flammability 0

Instability 0

Physical hazard -

HMIS

HEALTH 1

Flammability 0

Physical Hazards 0

Personal Protection -

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Revision Summary

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of SDS