



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

Product identifier

Product name **pH Booster**

Other means of identification

Recommended use of the chemical and restrictions on use

Material Uses Additive.
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/Canada 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 2
Flammable Liquids	Category 4

Label Elements

EMERGENCY OVERVIEW

WARNING

Hazard statements

CAUSES SKIN IRRITATION
Causes serious eye irritation
combustible liquid



Appearance Clear

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
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Precautionary Statements - Response

Specific treatment (see .? on this label)
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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

- MAY BE HARMFUL IF SWALLOWED
- May be harmful in contact with skin
- Harmful to aquatic life with long lasting effects

3. Composition/information on Ingredients

Chemical Family Straight Oil Type.

Chemical name	CAS-No	Weight-%
2-Amino-2-methyl-1-propanol	124-68-5	88

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 Remove 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**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray or fog is preferred; if water not available use dry chemical, CO2 or regular foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

combustible liquid.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx).

Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters. Wear self contained breathing apparatus for fire fighting if necessary. Wear fire/flame resistant/retardant clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation. Evacuate personnel to safe areas. 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. Dike to collect large liquid spills. Take all appropriate steps to avoid contamination of ground water.

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 Avoid contact with skin and eyes. Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

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 tightly closed in a dry and cool place.

Incompatible materials Strong acids. Strong 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 Ensure adequate ventilation, especially in confined areas.

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	Clear	Odor threshold	No information available
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	11.3	
Melting point / freezing point	No information available	
Boiling point	100 - 165 °C / (212 - 329) °F	
Flash point	81 °C / 178 °F	Cleveland Open Cup
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit	-	
Lower flammability limit	-	
Vapor pressure	0.34 mmHg @ 20 °C	
Vapor density	3	
Specific gravity	0.94	
Water solubility	Miscible with water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	-	No information available
Decomposition temperature	-	No information available
Kinematic viscosity	147 cps	
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

Strong acids. Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

11. Toxicological Information

Information on likely routes of exposure

Product Information

Inhalation	No data available.
Eye contact	Avoid contact with eyes.

Skin contact Avoid contact with skin.

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)	

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 Irritating to skin.
Serious eye damage/eye irritation Irritating to eyes.
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 Repeated contact may cause allergic reactions in very susceptible persons.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

Oral LD50 > 2000 mg/kg (rat)
Dermal LD50 > 2000 mg/kg (rabbit)

12. Ecological Information

Ecotoxicity

LC50 > 100 mg/l

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

Persistence/Degradability

Readily biodegradable

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	NA1993
Proper shipping name	Combustible liquid, n.o.s.
Hazard Class	Combustible Liquid
Packing group	III
Labels	-
Description	See above

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	NA1993
Proper shipping name	Combustible liquid, n.o.s.
Hazard Class	Combustible Liquid
Packing group	III
Labels	-
Description	See above

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 does not contain any 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	88	

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 information found for ingredients of the product which are considered hazardous.

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

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

NFPA HEALTH 3 Flammability 2 Instability 1 Physical hazard -
HMIS HEALTH 3 Flammability 2 Physical Hazards 1 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