

SAFETY DATA SHEET

Date Prepared : 9/29/2017

SDS No : 9200_SDS

Liquify

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Liquify
GENERAL USE: Liquid Ice Melter
PRODUCT CODE: 9200
MANUFACTURE:
 Perform Mfg
 1624 S. 45th St.
 Kansas City, KS 66106
Emergency: 913-722-1557
Customer Service: 800-423-9861
E-Mail: sales@performmfg.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Infotrac 800-535-5053

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Serious Eye Damage / Eye Irritation, Category 2A
 Specific Target Organ Toxicity, Single Exposure, Category 3

Physical:

Flammable Liquids, Category 2

GHS LABEL

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)



Flame



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 P243: Take precautionary measures against static discharge.
 P271: Use only outdoors or in a well-ventilated area.
 P233: Keep container tightly closed.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P314: Get medical advice/attention if you feel unwell.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
1, 2-Propanediol	< 30	57-55-6
2-propanol	< 30	67-63-0

4. FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. get medical attention immediately if irritation persist.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Rinse mouth with water. Do not induce vomiting. Drink plenty of water. Get medical attention if you feel unwell.

INHALATION: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, persist or worsen, call a physician or obtain medical attention.

NOTES TO PHYSICIAN: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.

EXTINGUISHING MEDIA: Use dry chemical, CO₂, water spray (fog) or foam.

OTHER CONSIDERATIONS: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

FIRE FIGHTING PROCEDURES: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: No action should be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate, put on appropriate personal protective equipment.

7. HANDLING AND STORAGE

HANDLING: Ensure adequate ventilation. Wear personal protective equipment as required based on a risk assessment. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

STORAGE: Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
2-propanol	TWA	400	980	200	490	NL	NL
	STEL			400	960	NL	NL

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: If splashes are likely to occur, wear: Tightly fitting safety goggles and face shield.

SKIN: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

PROTECTIVE CLOTHING: Wear chemical protective clothing e.g. gloves, aprons, boots. As conditions require.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Typical

APPEARANCE: Colorless

pH: 8 to 9

FLASH POINT AND METHOD: (75°F)

FLAMMABLE LIMITS: No data available

AUTOIGNITION TEMPERATURE: (456°F)

VAPOR PRESSURE: 20 mm/hg at (70°F)

Notes: No data available. Contact Env. Dept.

VAPOR DENSITY: Heavier than air

BOILING POINT: (180°F) to (374°F)

FREEZING POINT: < (-50°F)

THERMAL DECOMPOSITION: No data available

SOLUBILITY IN WATER: Complete

DENSITY: No data available.

SPECIFIC GRAVITY: No data available

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under recommended storage conditions.

POLYMERIZATION: Hazardous polymerization does not occur.

CONDITIONS TO AVOID: Heat, flames and sparks.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

INCOMPATIBLE MATERIALS: Oxidizing materials

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Causes serious eye irritation.

SKIN EFFECTS: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available

BIOACCUMULATION/ACCUMULATION: No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations

EMPTY CONTAINER: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Flammable Liquids, N.O.S.

TECHNICAL NAME: (Contains: Isopropanol)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: II

LABEL: Flammable Liquid

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
2-propanol	< 30	67-63-0

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
1, 2-Propanediol	57-55-6
2-propanol	67-63-0

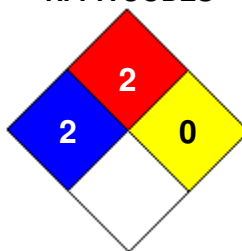
16. OTHER INFORMATION

PREPARED BY: KH **Date Prepared:** 9/29/2017

HMIS RATING

HEALTH		2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



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