

SAFETY DATA SHEET

Hypine 8

EPA#1839-112-1770

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

MANUFACTURER: Griffin Bros. Inc.
P.O. Box 7719
Salem, OR 97303
INFORMATION PHONE: (800) 456-4743

USES: Disinfectant

RESTRICTIONS: None known

For Medical and Chemical Emergencies **CHEMTREC: 1-800-424-9300**

PRODUCT NAME: Hypine 8
PRODUCT NUMBER: G-158
EPA REGISTERED PRODUCT# 1839-1 12-1 770 **EPA EST. NO.** 1770-OR-1
DATE PREPARED: 11/12/2004
LAST REVISION: 01/13/2015

PURE: **LIQUID:**

MIXTURE: **SOLID:**

2. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW:

GHS CLASSIFICATION: Flammable Liquids (Category 3) Skin: (Category 2) Eyes: (Category 2b)
Acute Toxicity Oral: (Category 5) Acute Hazards to the Aquatic Environment (Category 2)

GHS Label elements, including precautionary statements

SIGNAL WORD: Warning

PICTOGRAM:

HAZARD STATEMENT(S):

H226: Flammable liquid and vapour
H303: May be harmful if swallowed
H313: May be harmful in contact with skin
H315: Causes skin irritation
H319: Causes eye irritation
H401: Toxic to aquatic life



PRECAUTIONARY STATEMENT(S):

P102: Keep out of reach of children
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P262: Do not get in eyes, on skin, or on clothing
P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Name	CAS #	Range Wt. %
PINE OIL	8002093	4
ISOPROPAL ALCOHOL	67630	5
n-alkyl (68%C12,32%C14)d1methyl enyl ammonium chlorides	0	1
n-alkyl(60%C14,30%C16.5%C12,5%C18)din methyl ethyl benzyl ammonium chlorides	0	1

4. FIRST AID MEASURES:

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
INGESTION: If swallowed, induce vomiting immediately, as directed by medical personnel.
Never give anything by mouth to an unconscious or convulsing person. Get medical attention immediately.
SKIN CONTACT: Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.
AGGRAVATED MEDICAL CONDITIONS: Pre-existing eye, skin or respiratory conditions.
SUPPLEMENTAL HEALTH INFORMATION: The effects of long-term, low-level exposure to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use dry chemical foam, carbon dioxide, or water spray when fighting fires involving this material-
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and a NIOSH-approved self-contained breathing apparatus with full-face piece operated in a pressure positive mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Extinguish all nearby sources of ignition. Product is flammable.
COMBUSTION PRODUCTS: N/A

6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Small spills: Mop up, wipe up or soak up immediately. Remove to out of doors. Large spills: Evacuate area. Contain liquid; transfer to closed poly containers. Keep out of water supply.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid storing below 32F and above 100F. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

OTHER PRECAUTIONS: For industrial use only. Keep away from children.

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

CHEMICAL NAME	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
PINE OIL	n/a	n/a	n/a	n/a
ISOPROPYL ALCOHOL	400ppm	n/a	400ppm	n/a
n-alkyl (68%C12,32%C14)d1methyl benzyl ammonium chlorides	n/a	n/a	n/a	n/a
n-alkyl(60%C14,30%C16.5%C12,5%C18)din methyl ethyl benzyl ammonium chlorides	n/a	n/a	n/a	n/a

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION:	Wear a NIOSH/MSHA approved respirator appropriate for vapor concentration at point of use.
PROTECTIVE GLOVES:	Rubber or other impervious material
VENTILATION:	Local exhaust sufficient to keep exposure below TLV.
WORK / HYGENIC PRACTICES:	Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.
ENGINEERING CONTROLS:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
EYE PROTECTION:	Safety glasses with side shields (or goggles).
OTHER PROTECTIVE EQUIP:	Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.

9. PHYSICAL AND CHEMICAL PROPERTIES:**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**

a) Appearance: Amber Liquid	k) Vapor pressure: No data available
b) Odor: Pine	l) Vapor density: No data available
d) pH: No data available	m) Relative density (Specific Gravity): 0.85
e) Melting point/freezing point: No data available	n) Water solubility: Complete
f) Initial boiling point and boiling range: <212 degrees F	p) Auto-ignition temperature: No data available
g) Flash point: 112 degrees F Method Used: No data available	r) Viscosity: No data available
h) Evaporation rate: 1	-) Pounds Per Gallon: 7 Lbs.
j) Upper/lower flammability or explosive limits: No data available	OTHER: No other data is available for this product. . . .

10.**STABILITY AND REACTIVITY:**

STABLE: Stable
CONDITIONS TO AVOID: No data available
INCOMPATIBILITY: Oxides
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No data available
HAZARDOUS POLYMERIZATION: Will Not Occur

11. TOXICOLOGICAL INFORMATION: N/A**12. ECOLOGICAL INFORMATION:** N/A**13. DISPOSAL CONSIDERATIONS:** Dispose of according to Local, State and Federal regulations**14. TRANSPORT INFORMATION:**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1993	Combustible Liquid n.o.s. (Isopropyl Alcohol)	- -	III

GUIDE NUMBER: 128

15. REGULATORY INFORMATION: No information available.**16. OTHER INFORMATION:**

HMS INFORMATION:	HEALTH: 1	FLAMMABILITY: 2	PHYSICAL HAZARD: 0	PROTECTIVE: B
NFPA INFORMATION:	TOXICITY: 1	FIRE: 2	REACTIVITY: 0	SPECIAL: N

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