

MSDS - Material Safety Data Sheet

Product Name: JOLT

SDS No.: G301

I. Basic Information:

Manufacturer: GIFFIN BROS. Inc.

Address: P.O Box 42194

City, ST Zip: PORTLAND, OR 97242

Emergency / Information 800-456-4743

Last Update: 7/29/93

Chemical State: Liquid Gas Solid24 Hour Emergency
CHEMTREC 800-424-9300Chemical Type: Pure Mixture**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB	SARA Z 313	OSHA PEL	ACGIH TLV	Other Limits
1310732	Sodium hydroxide							2mg/m3	2mg/m3	none
141435	2-Amino Ethanol							3ppm	3ppm	6ppm
111762	2-Butoxyethanol						X	25ppm	25ppm	none

III. Hazardous Identification:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	

IV. First Aid Measures:**Route(s) of Entry:**

Eyes, Skin, Ingestion, Inhalation.

Health Hazards (Acute and Chronic):

Eyes-irritation and possible corneal injury./Skin-redness, possible dermatitis./Ingestion-Esophagus and Stomach Cramps./Inhalation-Vapors and mist may irritate nose and throat. Higher concentrate may cause headache and nausea.

Signs and Symptoms:

Irritation-burning sensation Cramps.

Medical Conditions Generally Aggravated by Exposure:

Dermatitis.

Emergency and First Aid Procedures:

Skin-rinse with water./Eyes-rinse with water for 15 minutes./Ingestion-Give water. Do Not Induce Vomiting./Inhalation-Remove to fresh air. Call a physician if necessary.

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V. Fire Fighting Measures:

Flash Point: 180F O.C. Lower Explosive Limit: n/a Upper Explosive Limit: n/a
Fire Extinguishing Media: Will not burn.

Special Fire Fighting Procedures:
n/a

Unusual Fire and Explosion:
n/a

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:
Mop and rinse with water.

VII. Handling and Storage:

Precautions to be Taken:
Avoid excessive heat and avoid freezing.

Other Precautions:
none

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:
Mechanical acceptable, Local Exhaust preferable.

Personal Protective Equipment:
Plastic or rubber gloves. Safety glasses.

IX. Physical and Chemical Properties:

Boiling Point: 210F Specific Gravity (H2O = 1) 1.04 Melting Point: n/a Evaporation Rate: >1
Vapor Pressure (mm Hg.): 10 Vapor Density (AIR = 1): 2 - 4
Solubility In Water: 100%
Appearance and Odor: Red liquid, Floral scent

X. Stability and Reactivity:

Stability:
Stable.
Incompatibility (Materials to Avoid):
Oxidizing agents. Acids.
Decomposition/By Products:
Oxides of nitrogen, CO and CO2.
Hazardous Polymerization:
Will not occur.

XIII. Disposal Considerations:

Dispose according to Local, State and Federal regulations.