

Betzinger / Katz
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DRUMMOND AMERICAN

Material Safety Data Sheet

Revision Date 06-Aug-2007

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DA6020
Product name Whallop
Recommended Use Cleaner
Supplier Drummond American Corporation
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9933
(888) 426-4651

2. HAZARDS IDENTIFICATION

Emergency Overview
Irritant

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Eyes, Ingestion, Inhalation, Skin absorption, Skin contact.

Potential health effects

Eyes Irritation.
Skin Substance may cause slight skin irritation, dermatitis.
Inhalation Shortness of breath, Dizziness, Light headedness, Headaches, Nausea.
Ingestion May cause chemical pneumonitis if aspirated into lungs.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
L.P.G. (liquefied petroleum gas)	68476-85-7	3.7
2-Ethoxyethanol	111-76-2	3.7
Trisodium Phosphate	7601-54-9	1.5

4. FIRST AID MEASURES

Eye contact Flush immediately with plenty of water, after removing the cap, for at least 20 minutes. Seek medical attention.
Skin contact Wash area thoroughly with soap and water.

Ingestion

If a large quantity of liquid is swallowed, do NOT induce vomiting. Drink 2-3 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation

Remove to fresh air. Provide oxygen if breathing is difficult. If not breathing, give artificial respiration. Keep warm and quiet. Seek medical attention.

6. FIRE FIGHTING MEASURES

Flash point °C < 104 (Propellant)
Flash point °F < 215 (Propellant)
Method Not Applicable

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits % in Air

Upper 9.5%
Lower 1.5%

Specific Information for Aerosol Products

Flame extension < 18 inches
Flashback None

Suitable extinguishing media

Water fog, Water spray, Carbon dioxide (CO2), Dry chemical, Foam, Alcohol foam.

Special protective equipment for firefighters

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

Special Fire-Fighting Procedures

Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Fire and Explosion Hazards

Material is highly flammable and readily gives off vapors. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Evacuate area of unprotected and unnecessary personnel. Do not use direct water stream.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all sources of ignition.

Methods for cleaning up

Evacuate area of unprotected and unnecessary personnel. Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limit. Soak up with inert absorbent material. Prevent product from entering drains.

Clean-up methods - small spill

Absorb with fire resistant absorbent. Dispose of absorbent in accordance with local, state and federal regulations.

Clean-up methods - large spill

Dike or dam large spill. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

7. HANDLING AND STORAGE

Handling

Keep container closed when not in use. Avoid breathing vapors or mists. Ensure adequate ventilation.

Storage

Keep container tightly closed. Keep away from direct sunlight. Keep away from open flames, heat, sparks and sources of ignition. Store in temperatures below 120 degrees F.

MFPA Storage Code

Store as Level 1 Aerosol (MFPA 303)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH PEL (TWA)	ACGIH PEL (STEL)
2-Ethoxyethanol	240 mg/m ³	50 ppm	20 ppm	-
L.P.G.	1000 ppm	1800 ppm	1000 ppm	2500 ppm
Liquefied petroleum gas	-	-	-	-
Trisodium Phosphate	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Aerosol
Color White
Odor Solvent
Odor Threshold 12
pH No information available
Specific Gravity 0.9955
Vapor pressure 40 psig @ 130°F
Boiling point 111°F (at 1 atm)
Evaporation Rate Slowly in water
Water solubility Soluble in water
VOC Content 10%; 97.146 gmi; 0.788 lbs/gal
Partition Coefficient No data available
(n-octanol/water)
Boiling point/range °C -42 (Propellant)
Boiling point/range °F -43.7 (Propellant)
Melting point/range °C No data available
Melting point/range °F No data available
Flash point °C < -104 (Propellant)
Flash point °F < -156 (Propellant)

10. STABILITY AND REACTIVITY

Stability Stable

Conditions to avoid Heat, flames and sparks. Avoid temperatures above 130°F.

Incompatibility Strong mineral acids. Strong oxidizing agents. Alkali. Strong acids. Halogens. Dimethylsulfate. Ethylene oxide. Mercury.

Hazardous Decomposition Products Carbon monoxide, Carbon dioxide, phosphene.

Polymerization Hazardous polymerization does not occur.

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11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LC50 (inhalation, rat)
2-Butoxyethanol	470 mg/kg	221 mg/L
2-Butoxyethanol (liquid petroleum gas)	2210 mg/kg	450 ppm
2-Butoxyethanol (gas)	2200 mg/kg	
Triisobutyl Phosphate		
Triisobutyl Phosphate		

Synergistic Products

Potential health effects

- Sensitization: None known
- Chronic toxicity: None known
- Mutagenic effects: None known
- Teratogenic effects: None known
- Reproductive toxicity: None known
- Target Organ Effects: Kidney, Liver, Cardiovascular system

Cardiogenic effects

See Table below

Chemical Name	ACGIH	OSHA	NIOSH	IDLH	TLV	REL	STEL
2-Butoxyethanol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2-Butoxyethanol (liquid petroleum gas)	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Triisobutyl Phosphate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

2-Butoxyethanol
Water Phase Data
Water sol. LC50=1720 mg/L (24 hr)

13. DISPOSAL CONSIDERATIONS

Disposal Information
Full or partially full containers are considered hazardous waste.

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Waste from this product is a hazardous waste. Dispose of all product containers and cleaning materials in accordance with local, state, and federal regulations. Do not burn or incinerate.

14. REGULATORY INFORMATION

DOT
Commuting exemption 9

T00
Commuting exemption

MSDS
Not Registered

MSDS
Commuting exemption 9

MSDS
Commuting exemption 9

MSDS
Commuting exemption 9

MSDS
Commuting exemption 9

15. REGULATORY INFORMATION

2-Butoxyethanol
Not Listed

2-Butoxyethanol (liquid petroleum gas)
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Triisobutyl Phosphate
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