

Betzinger / KATC
 REC'D JAN 04 2007

DRUMMOND AMERICAN

Material Safety Data Sheet

Revision Date 08-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) 913-9313
 Emergency telephone number (888) 426-4851

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-Butoxyethanol	111-76-2	3-7
Trisodium Phosphate	7601-54-8	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, after removing the eyeglasses, 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 1 or 2 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.

5. FIRE FIGHTING MEASURES

Flash point °C < -104 (Propellant)
 Flash point °F < -156 (Propellant)
 Method Not Applicable

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

Flammability Limits (% in Air)
 Upper 9.5%
 Lower 1.8%

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 volatile 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

Product code DA6020

Product name Whallop

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 limits. 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 spills. 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, hot surfaces and sources of ignition. Store in temperatures below 120 degrees F.

NFPA Storage Code
 Store as Level 1 Aerosol (NFPA 308)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
2-Butoxyethanol	249 mg/m ³ 50 ppm	-	20 ppm	-
L.P.G. (liquefied petroleum gas)	1000 ppm 1800 mg/m ³	-	1000 ppm	2500 ppm
Trisodium Phosphate	-	-	-	-

Ventilation and Environmental Controls
 Ensure adequate ventilation, especially in confined areas.

Hygiene measures
 Remove and wash contaminated clothing before re-use.

Respiratory protection
 When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Hand Protection
 Chemical resistant gloves.

Eye protection
 ANSI approved safety glasses or splash goggles with face shield are recommended.

Skin and body protection
 Wear appropriate clothing to minimize skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Aerosol
Color White
Odor Solvent
Odor Threshold No information available
pH 12
Specific Gravity 0.9695
Vapor pressure 140 psig @ 130°F
Vapor density >1 (Air = 1)
Evaporation Rate Slower than Ether
Water solubility Soluble in water
VOC Content 10%; 97.146 gm/l; 0.789 lbs/gal
Partition Coefficient (n-octanol/water) No data available
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, Alkalis, Strong acids, Halogens, Dimethylsulfate, Ethylene oxide, Mercury.

Hazardous Decomposition Products
 Carbon monoxide, Carbon dioxide, phosgene.

Polymerization
 Hazardous polymerization does not occur.

Product code DA6020

Product name Whallop

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LC50 (inhalation, rat)	
		220 mg/m ³	2.21 mg/L
2-Butoxyethanol 111-76-2	470 mg/kg	220 mg/m ³	2.21 mg/L
L.P.G. (liquefied petroleum gas) 53476-85-7		220 mg/m ³	450 ppm
Trisodium Phosphate 7807-56-9	2000 mg/kg		

Synergistic Products: None known

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.

Carcinogenic effects:
See Table Below

Chemical Name	ACGIH OEL - Carcinoge ns	SMC	NTP - Known Carcinoge ns	MEP - Suspected Human Carcinoge ns	OSHA RTH Carcinoge ns
2-Butoxyethanol	Listed	Not Listed	Not Listed	Not Listed	Not Listed
L.P.G. (liquefied petroleum gas)	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Trisodium Phosphate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

2-Butoxyethanol
Water Flax Data
water flax LC50=1720 mg/L (24 h)

13. DISPOSAL CONSIDERATIONS

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

Page 3/4

Waste from nonhazardous products
Dispose of all product, residues and cleaning materials in accordance
with local, state, and federal regulations. Do not incinerate or recombine.

14. REGULATORY INFORMATION

DOT
Commuter community

TSCA
Commuter community

MSDS
Not Regulated

ATA
ID008 Commuter community, Class 9

MEX
Not Regulated

15. REGULATORY INFORMATION

Chemical Name	REPL	REPL	REPL	REPL
2-Butoxyethanol	Listed	Listed	Listed	Listed

Chemical Name	New Jersey REPL	Pennsylvania REPL	California Prop. 65
2-Butoxyethanol	Listed	Listed	Not Listed
L.P.G. (liquefied petroleum gas)	Listed	Listed	Not Listed
Trisodium Phosphate	Not Listed	Listed	Not Listed

Chemical Name	EMSL	DEL	MSL	TSCA
2-Butoxyethanol	X	X	-	X
L.P.G. (liquefied petroleum gas)	X	X	-	X
Trisodium Phosphate	X	X	-	X

CPSC
This product has been classified in accordance with the hazard criteria of
the Controlled Product Regulations and the MSDS contains all of the
information required by the Controlled Product Regulations.

16. OTHER INFORMATION

MSHA
Health - 1
Flammability - 1
Reactivity - 0

Prepared By: Regulatory Department

Product code DA6020

Product name Whallop

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.

Page 4/4