

THIS MATERIAL SAFETY DATA SHEET MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200 AND ANSI Z400-1-1998.

1. PRODUCT AND COMPANY IDENTIFICATION: 10/23/08

PRODUCT CODE: H-114A
TRADE NAME: VALUGARD
PRODUCT DESCRIPTION: Aerosol Glass Cleaner
GENERAL USE: Automotive Window Cleaning

MANUFACTURER: Automotive International
ADDRESS: 8855 Blue Ash Road
Cincinnati, Ohio 45242
PHONE NUMBER: (513) 489-7883 (8am-5pm m-f)
FAX NUMBER: (513) 489-1329
CHEMTREC: (800) 424-9300 (24 HOUR)
OUTSIDE U.S. (703) 527-3887

2. COMPOSITION INFORMATION ON INGREDIENTS:

COMPONENT	CAS#	WT%
HAZARDOUS COMPONENTS (OSHA 29CFR 1910.1200)		
01 Propane/Isobutane/N-Butane	68476-86-8	5 - 10
02 Isopropyl Alcohol	67-63-0	2 - 8
03 2-Butoxyethanol	111-76-2	2 - 8

Item	EXPOSURE LIMITS			
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-Ceiling
01	800ppm	N.E.	800ppm	N.E.
02	400ppm	500ppm	400ppm	N.E.
03	25 ppm Skin	N.E.	25 ppm Skin	50 ppm Skin

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW:

May be irritating to eyes and respiratory tract. Vapors may cause flash fire.
INHALATION: Headaches, Dizziness, Nausea,
EYE CONTACT: Irritating, Tearing, Redding, Swelling, Stinging.
SKIN CONTACT: De-fatting, Drying, Dermatitis.
INGESTION: May be harmful or fatal if swallowed.
CHRONIC: Nervous System Damage, Lung Damage, Kidney Damage.

4. FIRST AID MEASURES:

INHALATION: Remove to fresh air. If not breathing give artificial respiration.
EYE CONTACT: Flush with water. Get medical help if irritation persists.
SKIN CONTACT: Wash with soap and water.
INGESTION: Get Medical Help. If swallowed DO NOT induce vomiting. Give conscious person water or milk. Call a Physician immediately.
POTENTIAL ENVIRONMENTAL EFFECTS: None Known

5. FIRE FIGHTING MEASURES:

Flashpoint and Method: -156 f (C.C.)
Flammable Limits: Lower 1.1% Upper 12%
Auto-ignition Temperature: ND

HAZARDOUS COMBUSTION PRODUCTS: Containers may build up pressure if exposed to heat. Vapors can travel.

FIRE FIGHTING INSTRUCTIONS: Use water mist to cool fire exposed drum.

FIRE FIGHTING EQUIPMENT: Bunker gear and SCBA. Alcohol Foam CO2 Dry Chemical Foam Water Fog.

6. ACCIDENTAL RELEASE MEASURES:

LAND SPILL: Avoid runoff into storm sewers or ditches by containment with sand or absorbent material.

7. HANDLING AND STORAGE:

HANDLING - TAKE NORMAL CARE TO PREVENT PROLONGED SKIN CONTACT.

STORAGE - KEEP FROM FREEZING OR FROM HEATING ABOVE 120°F. STORE IN ORIGINAL CONTAINER.

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

ENGINEERING CONTROLS: Use in well ventilated area.

PERSONAL PROTECTION: Wear Chemical resistant rubber gloves, Safety Glasses W/ Side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES:

VAPOR PRESSURE: 30 - 40

SPECIFIC GRAVITY: 0.9497

SOLUBILITY IN WATER: Complete

PH: N/A

BOILING POINT: -43 -340 f

VISCOSITY: N/A

EVAPORATION RATE: (n-Butyl Acetate=1) Faster

FREEZING POINT: 32 f

ODOR: Flowery

APPEARANCE: Clear

PHYSICAL STATE: Liquid

FLASH POINT: -156 f

VOC%: 0 g/Liter (Calculated)0.90 lbs./Gal. 108 grams/Liter

10. STABILITY AND REACTIVITY:

GENERAL: This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: All sources of ignition and open flame. AVOID strong acids, alkalis, oxidizers.

HAZARDOUS DECOMPOSITION: Oxides of carbon, oxides of nitrogen, and may produce forms of chlorine.

11. TOXICOLOGICAL INFORMATION: The complete toxicological data for each ingredient is beyond the scope of this document.

12. ECOLOGICAL INFORMATION: None Known

13. DISPOSAL CONSIDERATION: Dispose of in accordance with all Federal, State, and Local laws.

14. TRANSPORTATION INFORMATION:

DOT Shipping description: AEROSOL CONSUMER COMMODITY.

DOT Technical name: ORM-D

DOT Hazard Class: 2.1

DOT UN/NA Number UN1950

15. REGULATORY INFORMATION:

TSCA (Toxic Substance Control Act): All components are listed on the TSCA.

CERCLA: Fire Hazard, Pressurized Gas Hazard.

SARA Title III: 2-Butoxyethanol cas# 111-76-2 Less than 5%

No Proposition 65 Chemicals exist in this product.

16. OTHER INFORMATION: NFPA RATING: Health-2,Flammability-4 ,Reactivity-0

KEY: 4=Severe,3=Serious,2=Moderate,1=Slight,0=Minimal

The information contained in this MSDS has been checked. However it is the responsibility of the user to comply with all federal, state, and local laws.

