

Permatex, Inc.
 10 Columbus Blvd.
 Hartford, CT 06106 USA
 Telephone: 1-87-Permatex
 (877) 376-2839
 Emergency: 800-255-3924
 International Emergency: 813-248-0585

Balderson
KAC

REC'D OCT 31 2007

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: SURFACE PREP 4.5OZ AE
 Item No: 24163
 Product Type: Activator

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
HEPTANE 142-82-5	60-70	400 ppm TWA; 500 ppm STEL	500 ppm TWA; 2000 mg/m ³ TWA
PROPANE 74-98-6	5-15	1000 ppm TWA	1000 ppm TWA; 1800 mg/m ³ TWA
ISOBUTANE 75-28-5	5-15	Not Listed	Not Listed
ETHANOL 64-17-5	<2	1000 ppm; STEL 1000 ppm	1000 ppm TWA; 1900 mg/m ³ TWA
ORGANO-COPPER COMPOUND 22221-10-9	<1	Cu 0.2 mg/m ³ fume; 1 mg/m ³ dust	Cu 1 mg/m ³ fume; 1 mg/m ³ dust
ORGANO-COPPER COMPOUND 68084-48-0	<1	1 ppm; as Cu dusts or mist	Not Listed
ORGANO-COPPER COMPOUND 85737-14-0	<1	1 ppm; as Cu dust or mist	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye, skin and respiratory irritation. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. Aspiration hazard if swallowed. Excessive inhalation causes headache, dizziness, nausea, and incoordination.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Contact with eyes may cause tearing and redness. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. May cause skin irritation.

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
ETHANOL 64-17-5	<2		A4 - Not Classifiable as a Human Carcinogen	Group 1 (drinking alcohol); Vol. 44, pg 35, 1988

Medical Conditions Recognized as Being Aggravated by Exposure: May aggravate preexisting dermatitis. Since this product contain copper compounds, individuals with Wilson's Disease should avoid exposure to this product.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Extremely flammable aerosol per flame extension test

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers.

Hazardous Products of Combustion: Oxides of carbon, Copper oxide, Phosphorus acids

5. FIRE FIGHTING MEASURES

Unusual Fire/Explosion Hazards:

Vapors may travel from container toward sources of ignition and flashback. Contents under pressure. Closed containers may rupture or explode when exposed to extreme heat. Keep containers cool. Do not puncture or incinerate container.

Lower Explosive Limit: 1.0
Upper Explosive Limit: 9.5

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.
Handling: Avoid contact with skin and eyes. Do not inhale vapors. Keep away from heat and open flame. Do not puncture or incinerate container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses
Skin: Rubber or plastic gloves.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green liquid
Odor: Solvent
Boiling Point: Not determined
pH: Does not apply
Solubility in Water: Negligible
Specific Gravity: 0.66
VOC Content(Wt.%): 97.6% by weight
Vapor Pressure: 71psig @ 70°F
Vapor Density (Air=1): >1
Evaporation Rate: <1 (ethyl ether = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: WILL NOT OCCUR.
Incompatibilities: Avoid contact with bases and strong oxidizers, Acids
Conditions to Avoid: Keep away from heat, sparks and open flame. - No smoking
Hazardous Products of Combustion: Oxides of carbon, Copper oxide, Phosphorus acids

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.
US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

Product Name: SURFACE PREP 4.5OZ AE

Item No: 24163

DOT Shipping Name: Consumer Commodity (not more than one liter)
Hazard Class: ORM-D
UN/ID Number: None
Marine Pollutant: Copper

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/NA Number: ID 8000

IMDG

Proper Shipping: Aerosols, Limited Quantity
Hazard Class: Class 2.1
UN Number: UN 1950

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

COPPER COMPOUND

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 0

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Denise Boyd, Health and Safety Manager
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106

Revision Date: December/20/2006
Revision Number: 3