



IF IT'S BORDEN-IT'S GOT TO BE GOOD

MATERIAL SAFETY DATA SHEET

Borden, Inc.
Consumer Products Division
180 EAST BROAD STREET, COLUMBUS, OHIO, 43215

Emergency Telephone
(614) 431-6600

87785
Pg 1

THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 REQUIRES THAT THE INFORMATION CONTAINED ON THESE SHEETS BE MADE AVAILABLE TO YOUR WORKERS. INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY.

ATTN: SAFETY DIRECTOR

NON-EMERGENCY TELEPHONE
800-848-9400 (MSDS, ORDERS)
614-431-6680 (TECH. INFO)

DESCRIPTION: ELMER'S CLEAR HOUSEHOLD CEMENT
PRODUCT TYPE: SYNTHETIC RESIN SOLUTION
APPLICATION: E541

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SIGNAL WORD
WARNING!

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

87785

CHEMICAL HAZARD RATING
HEALTH=2(moderate)
FIRE=3(high)
REACTIVITY=0(least)
CHRONIC=*

29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS

CAS/REGISTRY NO. MATERIAL DESCRIPTION % RANGE

The ingredients listed below have been associated with one or more of the listed immediate and/or delayed(*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING OR HANDLING, READ AND UNDERSTAND THE MSDS.

75-56-9 *PROPYLENE OXIDE
NOTE REVISED OSHA PEL

0.1-1

POSSIBLE CANCER HAZARD. May cause cancer based on animal data. This material has been listed by NTP, IARC or OSHA as an animal carcinogen.
ACGIH TLV: 20 PPM (48 MG/M3) TWA
OSHA PEL: 20 PPM (50 MG/M3) TWA

78-93-3 *METHYL ETHYL KETONE
NOTE REVISED OSHA PEL

50-70

Suspect reproductive hazard. May cause reproductive disorders based on animal data.
Methyl ethyl ketone may potentiate (shorten the time of



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onset) peripheral neuropathy caused by methyl n-butyl ketone or n-hexane. Methyl ethyl ketone by itself has not been shown to cause peripheral neuropathy. Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and asphyxiation. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may lead to addiction and may be harmful or fatal.
-- See Footnote C.

ACGIH TLV: 200 PPM (590 MG/M3) TWA; 300 PPM (885 MG/M3) STEL
OSHA PEL: 200 PPM (590 MG/M3) TWA; 300 PPM (885 MG/M3) STEL
NIOSH DOCUMENT NUMBER: 78-173

112945-52-5 SILICA, AMORPHOUS, FUMED, CRYST.-FREE

1-5

-- See Footnote C.
ACGIH TLV: SILICA, TOTAL DUST 10 MG/M3 TWA
OSHA PEL: 6 MG/M3 TWA

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, IARC or OSHA as a carcinogen.

PHYSICAL DATA

PERCENT VOLATILES 58
PH AT 25 C NOT AVAILABLE
SPECIFIC GRAVITY 0.9
APPEARANCE HOMOGENEOUS, NO DIRT OR FOREIGN MATTER
AUTOIGNITION TEMPERATURE NOT AVAILABLE
BOILING POINT 80 DEGREES C
VAPOR DENSITY (AIR=1) > 1
VAPOR PRESSURE, MM HG @ 20 DEG C 77
EVAPORATION RATE (BUTYL ACETATE=1) > 1
UP/LOW FLAMMABLE LIMITS 10/1.8
FLASH POINT < -7 DEGREES C (SETA)
FREEZING POINT NOT AVAILABLE
ODOR KETONE SOLVENT ODOR
ODOR THRESHOLD, PPM NOT AVAILABLE
SOLUBILITY IN WATER NEGLIGIBLE
VOC CALCULATED 539.3 GM/L
COEFFICIENT OF WATER/OIL DISTRIB. NOT AVAILABLE

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DISCLAIMER—SEE REVERSE SIDE



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IMMEDIATE HEALTH HAZARD DATA

SKIN ABSORPTION: Not toxic dermally when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).

INGESTION: Not expected to be harmful under normal conditions of use.

If accidentally swallowed, burns or irritation to mucous membranes, esophagus or GI tract can result.

INHALATION: Not expected to be harmful under normal conditions of use. However, overexposure may cause central nervous system depression. Also, if allowed to become airborne, may cause irritation of nose, throat and lungs. Not toxic by inhalation when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).

SKIN: May cause irritation on prolonged or repeated contact. Not a primary irritant (primary skin irritation index less than 5.0/8.0) when tested as described in 16 CFR Part 1500.41.

EYES: Causes irritation. Moderately irritating when tested as described in 16 CFR Part 1500.42.

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HANDLING PRECAUTIONS

INHALATION: Avoid prolonged or repeated breathing of vapor.

SKIN: Persons with sensitive skin should avoid prolonged, continuous contact with skin. If irritation develops, discontinue use.

EYES: Avoid contact with eyes.

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.

Wash thoroughly after handling.

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EMERGENCY AND FIRST AID PROCEDURES

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air.

SKIN CONTACT: In case of irritation, flush with water.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to insure water contact with entire surface of eyes and lids. Call a physician.

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FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE LIQUID AND VAPOR.

Keep liquid and vapor away from heat, sparks, flame and other ignition sources including, but not limited to, pilot lights, heaters, cigarettes, electric motors and static discharge. Vapor is heavier than air and may settle in low places or travel outward to a source of ignition and flashback.

In case of fire, use water spray, dry chemical, foam or CO2. Use water to keep fire-exposed containers cool.

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REACTIVITY DATA

Normally stable as defined in NFPA 704-12(4-3.1).

Hazardous polymerization:

Will not occur.

Incompatibilities:

Oxidizers, acids or bases.

Other Hazards:

None known to Borden.

Decomposition products may include:

Oxides of carbon.

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CONTROL MEASURES

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

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PERSONAL PROTECTION INFORMATION

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA 29 CFR 1910.134 or other applicable standards or guidelines.

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SPILL OR LEAK PROCEDURES

Eliminate all ignition sources.
Soak up with absorbent material and remove to a
chemical disposal area.
Prevent entry into natural bodies of water.

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WASTE DISPOSAL

Recover free liquid. Absorb residue and dispose of
according to local, state/provincial, and federal
requirements.
Empty container: May contain explosive vapors. DO NOT
cut, puncture or weld on or nearby.

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STORAGE PRECAUTIONS

Do not expose to direct sunlight for long
periods of time.
Store in a cool, dry place.
Keep containers tightly closed.
Keep away from heat, sparks, flame and other ignition
sources.

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DOT CLASSIFICATION

ORM-D Consumer Commodity.

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