

-MATERIAL SAFETY DATA SHEET

HARRY J. BOSWORTH COMPANY

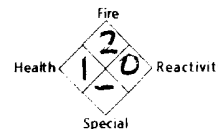
7227 North Hamlin Avenue

Skokie, Illinois 60076-3999

Information Phone: 847.679.3400

Emergency Phone: 800.535.5053

HAZARD RATING
N 4 - EXTREME
F 3 - HIGH
P 2 - MODERATE
A 1 - SLIGHT
0 - INSIGNIFICANT



PRODUCT: Trusoft™ Liquid

DATE PREPARED: 10/22/98

Hazardous Components

INGREDIENTS:

1. Ethyl Alcohol
2. Plastisizer

PERCENTAGE:

N/A
N/A

COMMON NAMES AND SYNONYMS:

1. Alcohol
2. Alkyl-Phthalate

CAS NUMBER:

1. 64-17-5
2. 85-68-7

PEL:

1. 1000 ppm
2. 5 mg/m³

UN NUMBER:

1. 1170
2. 3082

TLV:

1. 1,000 ppm
2. 5 mg/m³

Physical/Chemical Characteristics

BOILING POINT/FLASH POINT:

525°F

MELTING POINT

NA

SPECIFIC GRAVITY: (H₂O=1)

1.00

VAPOR DENSITY

1.59

VAPOR PRESSURE:

44.6

EVAPORATION RATE:

NA

APPEARANCE/ODOR:

clear liquid with characteristic odor

SOLUBILITY IN WATER:

slightly soluble

Reactivity Data

STABILITY:

Stable at room temperature

CONDITIONS TO AVOID:

Heat and light

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon

HAZARDOUS POLYMERIZATION:

Does not occur

CONDITIONS TO AVOID:

Oxidizing and reducing agents.

Fire and Explosion Hazard Data

FLASH POINT:

125°F (52°C)

LIMITS:

LEL: 3.3
UEL: 19

EXTINGUISHING MEDIA:

Water spray, foam and dry chemicals

SPECIAL FIREFIGHTING PROCEDURES:

Should wear full protective clothing including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

none

Health Hazard Data

CARCINOGENICITY: NPT:
None known at the time. N/A

IARC: OSHA REGULATED:
N/A NA

Effects and Hazards of Overexposure (Acute and Chronic)

EFFECTS AND HAZARDS OF EYE CONTACT:
Slightly irritating.

EFFECTS AND HAZARDS OF SKIN CONTACT:
Slightly toxic or irritating.

EFFECTS AND HAZARDS OF INHALATION (BREATHING):
Slightly toxic.

EFFECTS AND HAZARDS OF INGESTION (SWALLOWING):
Slightly toxic.

Emergency and First Aid Procedures

TREATMENT FOR EYE CONTACT:
Flush eyes with plenty of water.

TREATMENT FOR SKIN CONTACT:
Wash with water.

TREATMENT FOR INHALATION (BREATHING):
Remove to fresh air.

TREATMENT FOR INGESTION (SWALLOWING):
Drink water or milk.

Precautions for Safe Handling and Use

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Absorb with inert material and place in secure container

WASTE DISPOSAL METHOD:
Dispose of in accordance with local, state and federal laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in a cool, dry place. Avoid heat and light.

OTHER PRECAUTIONS:
Handle in accordance with good industrial hygiene and safety practices.

Control Measures

RESPIRATORY PROTECTION:
Avoid breathing vapor/mist. If needed, use NIOSH/MSHA approved respiratory protection equipment.

Ventilation

LOCAL EXHAUST VENTILATION
If needed.

SPECIAL VENTILATION:
If needed.

MECHANICAL (GENERAL) VENTILATION:
If needed.

OTHER VENTILATION:
Open windows if needed.

PROTECTION GLOVES:
Wear gloves if needed.

EYE PROTECTION:
Wear goggles if needed.

OTHER PROTECTIVE EQUIPMENT:
Wear protective clothing if needed.

WORK AND HYGIENIC PRACTICES:
Wash hands before eating and smoking

Additional Information

This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate

Health Hazard Index:	Ratings:
SEVERE HAZARD	1
SERIOUS HAZARD	2
MODERATE HAZARD	③
SLIGHT HAZARD	4
MINIMUM HAZARD	5

Shipping Information

REGULATED IATA:
N/A

PROPER SHIPPING NAME:
Ethyl Alcohol

HAZARD CLASS:
3

IDENTIFICATION NUMBER:
UN-1170

PACKAGING GROUP:
III

LABEL: Flammable Liquid

To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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PRODUCT: Trusoft Powder

DATE PREPARED: 10/22/98

Hazardous Components

INGREDIENTS:

1. Pigmented, Polyethyl methacrylate
2. Cadmium pigments

PERCENTAGE:

1. N/A
2. N/A

COMMON NAMES AND SYNONYMS:

1. Ethyl methacrylate polymer
2. Pink pigment

CAS NUMBER:

1. N/A
2. 7440-43-9

PEL:

1. 15 mg/m²
2. 0.2 mg/m²

UN NUMBER:

1. N/A
2. N/A

TLV:

1. 10 mg/m²
2. 0.05 mg/m²

Physical/Chemical Characteristics

BOILING POINT:

N/A

MELTING POINT:

N/A

SPECIFIC GRAVITY:

1.25 (H₂O=1)

VAPOR DENSITY:

N/A

VAPOR PRESSURE:

N/A

EVAPORATION RATE:

N/A

APPEARANCE/ODOR:

Pink powder with faint odor in bulk

SOLUBILITY IN WATER:

None

Reactivity Data

STABILITY:

Stable

CONDITIONS TO AVOID:

Excessive heat and light

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS TO AVOID:

Avoid mix-up with monomer liquids and moisture

Fire and Explosion Hazard Data

FLASH POINT:

304°C

LIMITS:

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, & dry chemicals

SPECIAL FIREFIGHTING PROCEDURES:

Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air producing a fire/explosion hazard if exposed to ignition source.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Fire fighters should wear contained breathing apparatus.

Health Hazard Data

CARCINOGENICITY: NPT:
Cadmium is listed as a suspected human carcinogen by IARC and NTR. N/A

IARC: OSHA REGULATED:
N/A N/A

Effects and Hazards of Overexposure (Acute and Chronic)

EFFECTS AND HAZARDS OF EYE CONTACT:
May cause mechanical irritation if eye is rubbed.

EFFECTS AND HAZARDS OF SKIN CONTACT:
None

EFFECTS AND HAZARDS OF INHALATION (BREATHING):
Generally none

EFFECTS AND HAZARDS OF INGESTION (SWALLOWING):
Generally none

Emergency and First Aid Procedures

TREATMENT FOR EYE CONTACT:
Flush with water for 15 minutes.

TREATMENT FOR SKIN CONTACT:
Wash with soap and water

TREATMENT FOR INHALATION (BREATHING):
Remove to fresh air

TREATMENT FOR INGESTION (SWALLOWING):
Rinse mouth out with water

Precautions for Safe Handling and Use

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Sweep up with sweeping compound.

WASTE DISPOSAL METHOD:
Follow local, state and federal laws for disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in cool, dry place tightly closed..

OTHER PRECAUTIONS:
N/A

Control Measures

RESPIRATORY PROTECTION:
Nuisance dust-type if needed.

Ventilation

LOCAL EXHAUST VENTILATION
If needed

SPECIAL VENTILATION:
If needed

MECHANICAL (GENERAL) VENTILATION:
If needed

OTHER VENTILATION:
Open windows if needed

PROTECTION GLOVES:
If needed

EYE PROTECTION:
If needed

OTHER PROTECTIVE EQUIPMENT:
N/A

WORK AND HYGIENIC PRACTICES:
Wash hands before eating or smoking

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MINIMUM HAZARD	⑤

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REGULATED IATA:
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PROPER SHIPPING NAME:
N/A
HAZARD CLASS:
N/A
IDENTIFICATION NUMBER:
N/A
PACKAGING GROUP:
N/A
LABEL: N/A

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