

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 PRODUCT AND COMPANY IDENTIFICATION**

Trade Name: OATEY LO-VOC BLACK ABS CEMENT  
Product No.: 31800, 31801, 31802, 31803, 31804  
Product Use: Cement for ABS Pipe  
Formula: ABS Resin in Solvent Solution  
Synonyms: ABS Plastic Pipe Cement  
Firm Name & Mailing Address: OATEY CO. 4700 West 160th Street P.O. Box 35906 Cleveland, Ohio 44135, U.S.A. <http://www.oatey.com>  
Oatey Phone Number: (216) 267-7100 or (800) 321-9532  
Emergency Phone Numbers: For Emergency First Aid call 1-877-740-5015. For chemical transportation emergencies ONLY, call Chemtrec at 1-800-424-9300. Outside the U.S. 1-703-527-3887.  
Prepared By: Technical Department  
Preparation Date: November 12, 2008

**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

| <u>INGREDIENTS:</u>          | <u>%wt/wt:</u> | <u>CAS NUMBER:</u> | <u>ACGIH TLV TWA:</u>   | <u>OSHA PEL TWA:</u> | <u>OTHER:</u> |
|------------------------------|----------------|--------------------|-------------------------|----------------------|---------------|
| Methyl Ethyl Ketone          | 40 - 60%       | 78-93-3            | 200 ppm<br>300 ppm STEL | 200 ppm              | None          |
| ABS Resin<br>(Non-hazardous) | 25 - 40%       | 9003-56-9          | None<br>Established     | None<br>Established  | None          |
| Acetone                      | 10 - 20%       | 67-64-1            | 500 ppm<br>750 ppm STEL | 1000 ppm             | None          |

OSHA Hazard Classification: Flammable, irritant, organ effects

**SECTION 3 HAZARDS IDENTIFICATION**

Emergency Overview:  
Black liquid with a sharp, penetrating odor. Extremely flammable liquid and vapor. Vapors may cause flash fire. May cause eye and skin irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects. Swallowing may cause irritation, nausea, vomiting or diarrhea. Aspiration hazard. May be fatal if swallowed. Symptoms may be delayed.

**SECTION 4 FIRST AID MEASURES**

CALL 1-877-740-5015 or 1-303-623-5716 COLLECT  
Skin: Remove contaminated clothing immediately. Wash all exposed areas with soap and water. Get medical attention if irritation develops. Remove dried cement with Oatey Plumber's Hand Cleaner or baby oil.  
Eyes: If material gets into eyes or if fumes cause irritation, immediately flush eyes with water for 15 minutes. If irritation persists, seek medical attention.  
Inhalation: If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.  
Ingestion: **DO NOT INDUCE VOMITING.** Rinse mouth with water. Never give anything by mouth to a person who is unconscious or drowsy. Get immediate medical attention by calling a Poison Control Center, or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital.

**SECTION 5 FIRE FIGHTING MEASURES**

Flashpoint / Method: 14 - 23 Degrees F. (-10 to -5 Degrees C) / CCCFP  
Flammability: LEL = 1.8 % Volume, UEL = 11.8 % Volume  
Extinguishing: Use dry chemical, CO2, or foam to extinguish fire. Cool fire exposed container with water. Water may be ineffective as an extinguishing agent.  
Media:

Special Fire Fighting Procedure: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored

Unusual Fire and Explosion Hazards: Extremely flammable liquid. Keep away from heat and all sources of ignition including sparks, flames, lighted cigarettes and pilot lights. Containers may rupture or explode in the heat of a fire. Vapors are heavier than air and may travel to a remote ignition source and flash back.

Hazardous Decomposition Products: Combustion will produce toxic and irritating vapors including carbon monoxide, carbon dioxide and hydrogen chloride.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Spill or Leak Procedures: Remove all sources of ignition and ventilate area. Stop leak if it can be done without risk. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high. Soak up spill with an inert absorbent such as sand, earth or other non-combusting material. Put absorbent material in covered, labeled metal containers. Prevent liquid from entering watercourses, sewers and natural waterways. Report releases to authorities as required. See Section 12 for disposal information.

**SECTION 7 HANDLING AND STORAGE**

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use with adequate ventilation (equivalent to outdoors). Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Keep containers closed when not in use.

Storage: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use.

Other: "Empty" containers retain product residue and can be hazardous. Follow all MSDS precautions in handling empty containers. Do not cut or weld on or near empty or full containers.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ventilation: Open doors & windows. Provide ventilation capable of maintaining emissions at the point of use below recommended exposure limits. If used in enclosed area, use exhaust fans. Exhaust fans should be explosion-proof or set up in a way that flammable concentrations of solvent vapors are not exposed to electrical fixtures or hot surfaces.

Respiratory Protection: For operations where the exposure limit may be exceeded, a NIOSH approved organic vapor respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Skin Protection: Rubber gloves are suitable for normal use of the product. For long exposures chemical resistant gloves may be required such as 4H(tm) or Silver Shield(tm) to avoid prolonged skin contact.

Eye Protection: Safety glasses with side shields or safety goggles.

Other: Eye wash and safety shower should be available.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: 176 Degrees F / 80 C  
Melting Point: Not applicable  
Vapor Pressure: 100 mmHg @ 25 Degrees C  
Vapor Density: (Air = 1) 2.5

Volatile Components: 60-70%  
Solubility In Water: Negligible  
pH: Not applicable  
Specific Gravity: 0.88 +/- 0.02  
Evaporation Rate: (BUAC = 1) = 2.7  
Appearance: Black Liquid  
Odor: Sharp, penetrating odor  
Will Dissolve In: Methyl ethyl ketone  
Material Is: Liquid

**SECTION 10 STABILITY AND REACTIVITY**

Stability: Stable.  
Conditions To Avoid: Avoid heat, sparks, flames and other sources of ignition.  
Hazardous Combustion will produce toxic and irritating vapors  
Decomposition including carbon monoxide, carbon dioxide and hydrogen  
Products: chloride.  
Incompatibility/ Oxidizing agents, alkalis, amines, ammonia, acids, chlorine  
Materials To Avoid: compounds, chlorinated inorganics (potassium, calcium and  
sodium hypochlorite) and hydrogen peroxides. May attack  
plastic, resins and rubber.  
Hazardous Will not occur.  
Polymerization:

**SECTION 11 TOXICOLOGICAL INFORMATION**

Inhalation: Vapors or mists may cause mucous membrane and respiratory  
irritation, coughing, headache, dizziness, dullness, nausea,  
shortness of breath and vomiting. High concentrations may cause  
central nervous system depression, narcosis and unconsciousness.  
May cause lung damage.  
Skin: May cause irritation with redness, itching and pain. Methyl  
ethyl ketone may be absorbed through the skin causing effects  
similar to those listed under inhalation.  
Eye: Vapors may cause irritation. Direct contact may cause irritation  
with redness, stinging and tearing of the eyes. May cause eye  
damage.  
Ingestion: Swallowing may cause abdominal pain, nausea, vomiting and  
diarrhea. Aspiration during swallowing or vomiting can cause  
chemical pneumonia and lung damage.  
Chronic Prolonged or repeated overexposure cause dermatitis and damage  
Toxicity: to the lungs and central nervous system.  
Toxicity Data: Acetone: Oral rat LD50: 5,800 mg/kg  
Inhalation rat LC50: 50,100 mg/m<sup>3</sup>/8 hours  
Methyl Ethyl Ketone: Oral rat LD50: 2,737 mg/kg  
Inhalation rat LC50: 23,500 mg/m<sup>3</sup>/8 hours  
Skin rabbit LD50: 6,480 mg/kg  
Sensitization: None of the components are known to cause sensitization.  
Carcinogenicity: None of the components are listed as a carcinogen or suspect  
carcinogen by NTP, IARC or OSHA.  
Mutagenicity: Methyl ethyl ketone and acetone are generally thought not to  
be mutagenic.  
Reproductive Methyl ethyl ketone has been shown to cause embryofetal  
Toxicity: toxicity and birth defects in laboratory animals. Acetone  
has been found to cause adverse developmental effects only  
when exposure levels cause other toxic effects to the mother.  
Medical Persons with pre-existing skin or lung disorders  
Conditions may be at increased risk from exposure to this product.  
Aggravated By  
Exposure:

**SECTION 12 ECOLOGICAL INFORMATION**

This product is not expected to be toxic to aquatic organisms.  
Methyl Ethyl Ketone: 96 hour LC50 for fish is greater than 100 mg/L.  
Acetone: 96 hour LC50 for fish is greater than 100 mg/L.

VOC Information: This product emits VOC's (volatile organic compounds) in its use.  
Make sure that use of this product complies with local VOC emission regulations, where they exist.

VOC Level: Maximum 325 g/L per SCAQMD Test Method 316A

**SECTION 13 DISPOSAL CONSIDERATIONS**

Waste Disposal: Dispose in accordance with current local, state and federal regulations.

RCRA Hazardous Waste Number: U002, U159

EPA Hazardous Waste ID Number: D001, D035, F003, F005

EPA Hazard Waste Class: Ignitable Waste. Toxic Waste (Methyl Ethyl Ketone content)

**SECTION 14 TRANSPORT INFORMATION**

DOT Less than 1 Liter (0.3 gal) Greater than 1 Liter (0.3 gal)

|                       |                    |                  |
|-----------------------|--------------------|------------------|
| UN/NA Number:         | None               | UN1133           |
| Proper Shipping Name: | Consumer Commodity | Adhesives        |
| Hazard Class:         | ORM-D              | 3                |
| Packing Group:        | None               | PGII             |
| Hazard Labels:        | None               | Flammable Liquid |

IMDG

|                       |  |                            |
|-----------------------|--|----------------------------|
| UN Number:            | UN1133   | UN1133                     |
| Proper Shipping Name: | Adhesives  | Adhesives                  |
| Hazard Class:         | 3  | 3                          |
| Packing Group:        | II   | II                         |
| Label:                | None (Limited Quantities are excepted from labeling) | Class 3 (Flammable Liquid) |

Flashpoint (deg C) -10 to -5 Degrees C -10 to -5 Degrees C  
2008 North American Emergency Response Guidebook Number: 127

**SECTION 15 REGULATORY INFORMATION**

Hazard Category for Section 311/312: Acute Health, Flammable

Section 302 Extremely Hazardous Substances (TPQ): This product does not contain chemicals regulated under SARA Section 302.

Section 313 Toxic Chemicals: This product does not contain chemicals subject to SARA Title III Section 313 Reporting requirements.

CERCLA 103 Reportable Quantity: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Methyl Ethyl Ketone (60% maximum) of 5,000 lbs, is 8,333 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65: This product does not contain any chemicals subject To California Proposition 65 regulation.

TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

Canadian WHIMS Classification: Class B, Division 2; Class D, Division 2, Subdivision B; Class D, Division 2, Subdivision A.  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**SECTION 16 OTHER INFORMATION**

NFPA and HMIS

MSDS No: CEM270E8  
Issue Date: 12 Nov 2008  
Page: 5 of 5

NFPA Hazard Signal: Health: 1 Flammability: 3 Reactivity: 0 Special: None  
HMIS Hazard Signal: Health: 2 Flammability: 3 Reactivity: 0 PPE: G

DISCLAIMER

The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Oatey cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.  
assumes any liability for its use.