



## MATERIAL SAFETY DATA SHEET

MSDS Number: 1501C

### Section 1

#### PRODUCT AND COMPANY IDENTIFICATION

Trade Name: OATEY CANADIAN PREMIUM ABS YELLOW CEMENT  
Product Nos.: 31500, 31501, 31502, 31503, 31504  
Product Use: Cement for ABS Plastic Pipe  
Formula: ABS Resin in Solvent Solution  
Synonyms: ABS Plastic Pipe Cement  
Firm Name & Address: Oatey Company 4700 West 160th Street, Cleveland, Ohio 44135  
www.oatey.com  
Firm Phone No: (216) 267-7100  
Emergency Phone Nos.: 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: 09/11/2015

### Section 2 HAZARDS IDENTIFICATION

#### Emergency Overview:

Yellow liquid with an ether-like 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, diarrhea and kidney or liver disorders. Aspiration hazard. May be fatal if swallowed. Symptoms may be delayed.

### Section 3 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	30 - 60%	78-93-3	200 ppm 300 ppm	200 ppm	None
Acetone	10 - 30%	67-64-1	500 ppm 750 ppm STEL	1000 ppm	None
ABS Resin (Non-hazardous)	20 - 40%	9003-56-9	None Established	None Established	None

OSHA Hazard Classification: Flammable, irritant, organ effects

### Section 4 FIRST AID MEASURES

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 plenty of water until chemical is removed. If irritation persists, get medical attention immediately.

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 / 14 - 23 Degrees F. (-10 to -5 Degrees C) / CCCFP  
Method:  
Flammability: LEL = 1.8 % Volume, UEL = 11.8 % Volume  
Extinguishing Use dry chemical, CO2, or foam to extinguish fire. Cool fire exposed container  
Media: with water. Water may be ineffective as an extinguishing agent.  
Special Fire Firefighters should wear positive pressure self-contained breathing apparatus  
Fighting and full protective clothing for fires in areas where chemicals are used or  
Procedure: stored  
Unusual Fire Extremely flammable liquid. Keep away from heat and all sources of ignition  
And Explosion including sparks, flames, lighted cigarettes and pilot lights. Containers may  
Hazards: 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. This product contains  
tetrahydrofuran that may form explosive organic peroxide when exposed to air or  
light or with age.  
Hazardous Combustion will produce toxic and irritating vapors including carbon monoxide,  
Decomposition carbon dioxide and hydrogen chloride.  
Products:

**Section 6 ACCIDENTAL RELEASE MEASURES**

Spill or Leak Remove all sources of ignition and ventilate area. Stop leak if it can be done  
Procedures: 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 13 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 For operations where the exposure limit may be exceeded, a NIOSH approved  
Protection: 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 Rubber gloves are suitable for normal use of the product. For long exposures  
Protection: chemical resistant gloves may be required such as 4H(tm) or Silver Shield(tm)  
to avoid prolonged skin contact.  
Eye Safety glasses with side shields or safety goggles.  
Protection:

**Section 9****PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point:	151 Degrees F / 66 Degrees C
Melting Point:	Not applicable
Vapor Pressure:	145 mmHg @ 20 Degrees C
Vapor Density:	(Air = 1) 2.5
Volatile Components:	65-75%
Solubility In Water:	Negligible
pH:	Not applicable
Specific Gravity:	0.88 +/- 0.02 @ 20 Degrees C
Evaporation Rate:	(BUAC = 1) = 5.5 - 8.0
Appearance:	Yellow
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 Decomposition Products:	Combustion will produce toxic and irritating vapors including carbon monoxide, carbon dioxide and hydrogen chloride.
Incompatibility/ Materials To Avoid:	Oxidizing agents, alkalis, amines, ammonia, acids, chlorine compounds, chlorinated inorganics (potassium, calcium and sodium hypochlorite) and hydrogen peroxides. May attack plastic, resins and rubber.
Hazardous Polymerization:	Will not occur.

**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 kidney, liver and lung damage.								
Skin:	May cause irritation with redness, itching and pain. Methyl ethyl ketone and cyclohexanone 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. May cause kidney and liver damage.								
Chronic Toxicity:	Prolonged or repeated overexposure cause dermatitis and damage to the kidney, liver, lungs and central nervous system.								
Toxicity Data:	<table><tbody><tr><td>Acetone:</td><td>Oral rat LD50: 5,800 mg/kg Inhalation rat LC50: 50,100 mg/m3/8 hours</td></tr><tr><td>Cyclohexanone:</td><td>Oral rat LD50: 1,620 mg/kg Inhalation rat LC50: 8,000 ppm/4 hours Skin rabbit LD50: 1 mL/kg</td></tr><tr><td>Tetrahydrofuran:</td><td>Oral rat LD50: 1,650 mg/kg Inhalation rat LC50: 21,000 ppm/3 hours</td></tr><tr><td>Methyl Ethyl Ketone:</td><td>Oral rat LD50: 2,737 mg/kg Inhalation rat LC50: 23,500 mg/m3/8 hours Skin rabbit LD50: 6,480 mg/kg</td></tr></tbody></table>	Acetone:	Oral rat LD50: 5,800 mg/kg Inhalation rat LC50: 50,100 mg/m3/8 hours	Cyclohexanone:	Oral rat LD50: 1,620 mg/kg Inhalation rat LC50: 8,000 ppm/4 hours Skin rabbit LD50: 1 mL/kg	Tetrahydrofuran:	Oral rat LD50: 1,650 mg/kg Inhalation rat LC50: 21,000 ppm/3 hours	Methyl Ethyl Ketone:	Oral rat LD50: 2,737 mg/kg Inhalation rat LC50: 23,500 mg/m3/8 hours Skin rabbit LD50: 6,480 mg/kg
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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. The National Toxicology Program has reported that exposure of mice and rats to tetrahydrofuran (THF) vapor levels up to 1800 ppm 6 hr/day, 5 days/week for their lifetime caused an increased incidence of kidney tumors in male rats and liver tumors in female mice. The significance of these findings for human health is unclear at this time, and								

may be related to "species specific" effects. Elevated incidences of tumors in humans have not been reported for THF. ACGIH has classified cyclohexanone (CYH) and tetrahydrofuran as "A3," Confirmed Animal Carcinogens with Unknown Relevance to Humans.

Mutagenicity: Cyclohexanone has been positive in bacterial and mammalian assays. Acetone, methyl ethyl ketone and tetrahydrofuran are generally thought not to be mutagenic.

Reproductive Toxicity: Methyl ethyl ketone and cyclohexanone have been shown to cause embryofetal toxicity and birth defects in laboratory animals. Acetone and tetrahydrofuran has been found to cause adverse developmental effects only when exposure levels cause other toxic effects to the mother.

Medical Conditions Aggravated By Exposure: Persons with pre-existing skin, lung, kidney or liver disorders may be at increased risk from exposure to this product.

## Section 12 ECOLOGICAL INFORMATION

This product is not expected to be toxic to aquatic organisms.

Cyclohexanone: 96 hour LC50 values for fish is over 100 mg/l.

Tetrahydrofuran: 96 hour LC50 fathead minnow: 2160 mg/L.

Acetone: 96 hour LC50 for fish is greater than 100 mg/L.

Methyl Ethyl Ketone: 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, U057, U159, U213

EPA Hazardous Waste ID Number: D001, D035, F003, F0005

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

## Section 14 TRANSPORT INFORMATION

	<u>Less than 1 Liter (0.3 gal)</u>	<u>Greater than 1 Liter (0.3 gal)</u>
DOT	None	UN1133
UN/NA Number:	Consumer Commodity	Adhesives
Proper Shipping Name:	ORM-D	3
Hazard Class:	None	PGII
Packing Group:	None	Flammable Liquid
Hazard Labels:		
IMDG		
UN Number:	UN1133	UN1133
Proper Shipping Name:	Adhesives	Adhesives
Hazard Class:	3	3
Packing Group:	II	II
Label:	None (Limited Quantities are expected 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    Acute Health, Chronic Health, Flammable  
Section 311/312:

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 regulations.
TSCA Inventory Canadian WHIMS Classification:	All of the components of this product are listed on the TSCA inventory. 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:  
NFPA Hazard Signal:    Health: 2 Flammability: 3 Reactivity: 1 Special: None  
HMIS Hazard Signal:    Health: 2\* Flammability: 3 Reactivity: 1 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, we cannot give any guarantees regarding information from other sources, and expressly do not make warranties, nor assume any liability for its use.

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