

ORDER NO: 4004997 RELEASE NO: 002 MSDS NO: 002661

B A R N E S D I S T R I B U T I O N

Synonyms: 21975

MATERIAL SAFETY DATA SHEET

ALL PURPOSE CLEAR HEAVY DUTY CEMENT FOR CPVC AND PVC

-----SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

MSDS Name: ALL PURPOSE CLEAR HEAVY DUTY CEMENT FOR CPVC AND PVC

Product CAS: (none)

Product Code: 30818, 30821, 3083, 30847, 30848, 31575, 31576, 31577, 31578, 31579, 31650, 31651, 32208, 32209

Synonyms: 21975

Company Identification:

Name: OATEY CO

Address: 4700 WEST 160TH STREET

Address:

City: CLEVELAND State: OH Zip: 44135

For information, call: 216-267-7100

Emergency Number: 303-623-5716 (24 HR) COLLECT

Emergency Agency:

Number:

MSDS Creation Date: 10/1/2009

Miscellaneous:

CHEMICAL FAMILY: PVC PLASTIC PIPE CEMENT

FORMULA: 30834

-----SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS -----

Chemical Name	CAS	MIN	MAX
ACETONE	67-64-1	10	20
AMORPHOUS SILICA	112945-52-5	1	5
CPVC RESIN	68648-82-8	3	7
PVC RESIN	9002-86-2	7	15
CYCLOHEXANONE	108-94-1	10	20
TETRAHYDROFURAN	109-99-9	30	45
METHYL ETHYL KETONE	78-93-3	7	18

Miscellaneous:

LISTED AS
CARCINOGEN
NTP, IARC OR
OSHA 1910(Z)
(SPECIFY)

% W	CHEMICAL NAME(S)	OSHA PEL	ACGIH TLV	STEL	
0-5	ACETONE	1000 PPM	5000 PPM	50 PPM STEEL	
1-4	AMORPHOUS SILICA	NOT EST	10 MG/M3	N.A.	NO
3-7	CPVC RESIN (NON- HAZARDOUS)	N.E.	10 MG/M3	N.E.	NO
8-12	PVC RESIN (NON- HAZARDOUS)	15 MG/M3	10 MG/M3	N.E.	NO
7-16	CYCLOHEXANONE	25 PPM	20 PPM	N.A.	NO
30-45	TETRAHYDROFURAN	200 PPM	200 PPM	250 PPM	NO
20-40	METHYL ETHYL				

	B	A	R	N	E	S	D	I	S	T	R	I	B	U	T	I	O	N
KETONE	200	PPM	200	PPM	300	PPM	NO											

Lbs of VOC per Gallon Coating (minus water): 0
Coating Density (lbs/gal): 0
Solvent Density (lbs/gal): 0
Percent Solvent (volume): 0
Percent Solids (volume): 0
Percent Water (volume): 0

-----SECTION 3 - HAZARDS IDENTIFICATION -----

NFPA: Health: 2 Fire: 3 Reactivity: 1 Other:
HMIS: Health: 3 Fire: 3 Reactivity: 1 Special Protection:
Miscellaneous:

POTENTIAL HEALTH EFFECTS

Target Organs:

EYE, SKIN, KIDNEY, LUNG, LIVER, CENTRAL NERVOUS SYSTEM.

PRIMARY ROUTES OF ENTRY: INHALATION, SKIN CONTACT, EYES, INGESTION.

Eye:

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS):

VAPORS

OR DIRECT CONTACT MAY CAUSE IRRITATION.

Skin:

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS):

CHRONIC CONTACT MAY LEAD TO IRRITATION & DERMATITIS. MAY POSSIBLY BE
ABSORBED THROUGH THE SKIN.

Ingestion:

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS): MAY
BE

ASPIRATED INTO THE LUNGS OR CAUSE SYSTEMIC EFFECTS DESCRIBED UNDER
INHALATION.

Inhalation:

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS): MAY
CAUSE IRRITATION OF MUCOUS MEMBRANES, NOSE & THROAT, HEADACHE,
DIZZINESS,

NAUSEA, NUMBNESS OF THE EXTREMITIES AND NARCOSIS IN HIGH CONCENTRATIONS.
HAS CAUSED CNS DEPRESSION & LIVER DAMAGE IN ANIMALS, & HIGH
CONCENTRATIONS

HAVE CAUSED RETARDATION OF FETAL DEVELOPMENT IN RATS.

Miscellaneous:

CONDITIONS TO AVOID: SEE ABOVE.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: SEE HEALTH HAZARDS ABOVE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N.D.

-----SECTION 4 - FIRST AID MEASURES -----

B A R N E S D I S T R I B U T I O N

Eye:

IF FUMES CAUSE IRRITATION, MOVE TO FRESH AIR AND IRRIGATE EYES WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. IF EYE IS STRUCK WITH WIRE, SEEK MEDICAL ATTENTION.

Skin:

IF IRRITATION ARISES, WASH THOROUGHLY WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

Ingestion:

DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER AND CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY. AVOID ALCOHOLIC BEVERAGES. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation:

MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. KEEP VICTIM QUIET AND WARM. CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY.

Notes to Physician:

-----SECTION 5 - FIRE FIGHTING MEASURES -----

Unusual Fire and Explosion Hazards:

NONE.

Special Fire Fighting Procedures:

SEE "EXTINGUISHING MEDIA"

Extinguishing Media:

SMALL FIRES: DRY CHEMICAL, CO2, WATER OR FOAM EXTINGUISHER.

LARGE FIRES: EVACUATE AREA AND CALL FIRE DEPARTMENT IMMEDIATELY.

Flash Point:

0-5 F, METHOD USED:PMCC

Flammable Limits:

Lower Limit:

LEL: 1.8

Upper Limit:

UEL: 11.8

AutoIgnition Temperature:

N/A

General Information:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

Disposal:

DISPOSE OF ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33): D001, EPA HAZARDOUS WASTE

CLASS: IGNITABLE WASTE/TOXIC WASTE.

Spills/Leaks:

VENTILATE AREA, STOP LEAK IF IT CAN BE DONE WITHOUT RISK. TAKE UP WITH SAND, EARTH, OR OTHER NON-COMBUSTIBLE ABSORBING MATERIAL.

-----SECTION 7 - HANDLING and STORAGE -----

B A R N E S D I S T R I B U T I O N

Handling:

KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPORS OR MISTS.

Storage:

STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT CUT OR WELD OR OR NEAR EMPTY OR FULL CONTAINERS.

-----SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION -----

Engineering Controls:

VENTILATION -

LOCAL EXHAUST (SPECIFY RATE): OPEN DOORS & WINDOWS. IF USED IN ENCLOSED AREA, USE EXHAUST FANS.

MECHANICAL (GENERAL)(SPECIFY RATE): EXHAUST VENTILATION CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE BELOW PEL.

SPECIAL: NONE.

OTHER: NONE.

Eyes:

(SPECIFY TYPE): SAFETY GLASSES WITH SIDE SHIELDS.

Skin:

PROTECTIVE GLOVES (SPECIFY TYPE): RUBBER GLOVES.

Clothing:

OTHER PROTECTIVE EQUIPMENT: EYE WASH AND SAFETY SHOWER SHOULD BE AVAILABLE.

Respirators:

(SPECIFY TYPE): NIOSH-APPROVED CANISTER RESPIRATOR IN ABSENCE OF ADEQUATE VENTILATION.

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

Appearance/Odor:

MILKY LIQUID, ETHER-LIKE ODOR.

pH: N.A.

Vapor Pressure: @ 20 C: 145 MM HG

Vapor Density: (AIR=10: 2.5

Evaporation Rate: (ETHER=1): 5.5-8.0

Viscosity: N/A

Boiling Point: 151 F, 66 C

Freezing/Melting Point: N/A

Decomposition Temperature: N/A

Solubility: IN WATER: NEGLIGIBLE

Specific Gravity: .94

Molecular Formula: N/A

Molecular Weight: N/A

Miscellaneous:

VOLATILE COMPONENTS (%): 84-88

ORDER NO: 4004997 RELEASE NO: 002 MSDS NO: 002661

BARNES DISTRIBUTION
MAXIMUM PERCENT VOC BY WEIGHT (%): %N.D., METHOD USED: CALCULATED.

PERCENT SOLID BY WEIGHT (%): N.D.
VOC LEVEL: 600 G/L PER SCAQMD TEST METHOD 316A.
VOLATILE COMPONENTS: 84-88%

-----SECTION 10 - STABILITY AND REACTIVITY -----

Chemical Stability:

STABLE

Conditions to Avoid:

STABILITY: HEAT, SPARKS AND OPEN FLAME.

HAZARDOUS POLYMERIZATION: NONE.

Incompatibilities with Other Materials:

ACIDS, OXIDIZING MATERIALS, ALKALIS, CHLORINATED INORGANICS (POTASSIUM, CALCIUM AND SODIUM HYPOCHLORITE), COPPER OR COPPER ALLOYS.

Hazardous Decomposition Products:

COMBUSTION WILL PRODUCE TOXIC AND IRRITATING VAPORS INCLUDING CARBON MONOXIDE, CARBON DIOXIDE AND HYDROGEN CHLORIDE.

Hazardous Polymerization:

WILL NOT OCCUR

-----SECTION 11 - TOXICOLOGICAL INFORMATION -----

Toxicological Information:

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: 1ML/KG

TETRAHYDROFURAN: ORAL RAT LD₅₀: 1,650 MG/KG

INHALATION RAT LC₅₀: 21,000 PPM/8 HOURS

METHYL ETHYL KETONE: ORAL RAT LD₅₀: 2,737 MG/KG

INHALATION RAT LC₅₀: 23,500 MG/M³/8 HOURS

SKIN RAT 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, 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 ARE UNCLEAR AT THIS TIME,

AND MAY BE RELATED TO "SPECIES SPECIFIC" EFFECTS. ELEVATED INCIDENCE OF TUMORS IN HUMANS HAVE NOT BEEN REPORTED

FOR THF. ACGIH HAS CLASSIFIED (CYH) AS "A3", CONFIRMED ANIMAL CARCINOGEN

WITH UNKNOWN RELEVANCE TO HUMANS.

B A R N E S D I S T R I B U T I O N

MUTAGENICITY: ACETINE HAS BEEN POSITIVE IN A MAMMAL CELL CYTOGENIC ANALYSIS BUT NEGATIVE IN MANY OTHER ASSAYS. AT MOST, ACETONE IS WEAKLY GENOTOXIC. CYCLOHEXANONE HAS BEEN POSITIVE IN BACTERIAL AND MAMMALIAN ASSAYS. TETRAHYDROFURAN WAS POSITIVE IN A BACTERIAL ASSAY. METHYL ETHYL KEONE IS NOT CONSIDERED GENOTOXIC BASED ON LABORATORY STUDIES.

REPRODUCTIVE TOXICITY: METHYL ETHYL KETONE AND CYCLOHEXANONE HAVE BEEN SHOWN TO CAUSE EMBRYOFETAL TOXICITY AND BIRTH DEFECTS IN LABORATORY ANIMALS. ACETONE AND TETRAHYDROFURAN HAVE BEEN FOUND TO CAUSE ADVERSE DEVELOPMENTAL EFFECTS ONLY WHEN EXPOSURE LEVELS CAUSE OTHER TOXIC EFFECTS TO THE MOTHER.

-----SECTION 12 - ECOLOGICAL INFORMATION -----

Ecological Information:

-----SECTION 13 - OTHER PRECAUTIONS -----

Other Precautions:
CONTAINERS, EVEN EMPTIES WILL RETAIN RESIDUE AND VAPORS.
Work/Hygienic Practices:

-----SECTION 14 - TRANSPORT INFORMATION -----

Transportation Information:

DOT	LESS THAN 1 LETER (0.3 GAL)
GREATER THAN 1 LITER (0.3 GAL)	
PROPER SHIPPING NAME	CONSUMER COMMODITY
ADHESIVES	
HAZARD CLASS/PKG GROUP	ORM-D
3, PGII	
UN/NA NUMBER	NONE
UN1133	
HAZARD LABEL	NONE
FLAMMABLE LIQUID	
IMDG	
PROPER SHIPPING NAME	ADHESIVES
ADHESIVES	
HAXARD CLASS/PKG GROUP	3,II
3,II	
UN NUMBER	UN1133
UN1133	
LABEL	NONE (LIMITED QTY ARE EXCEPTED)
CLASS 3 (FLAMMABLE LIQUID)	
RCRA HAZ WASTE NUMBER	U002, U057, U159, U213
EPA HAZ WASTE ID NUMBER	D001, D035,F003, F005
EPA HAZ WASTE CLASS: IGNITABLE WASTE. TOXIC WASTE (METHYL EHTYL KETONE	

ORDER NO: 4004997 RELEASE NO: 002 MSDS NO: 002661

B A R N E S D I S T R I B U T I O N

CONTENT)

200 NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER 127 OR 128

Label Information:

-----SECTION 15 - REGULATORY INFORMATION -----

Regulatory Information:

REGULATIONS

HAZARD CATEGORY FOR SECTION 311/312:

ACUTE HEALTH,

CHRONIC HEALTH, FLAMMABLE

SECTION 302 EXTREMELY

THIS PRODUCT DOES

NOT CONTAIN CHEMICALS REGULATED

HAZARDOUS SUBSTANCE

UNDER SARA SECTION

302.

SECTION 313 TOXIC CHEMICALS: THIS PRODUCT CONTAINS THE FOLLOWING

CHEMICALS SUBJECT TO SARA TITLE III SECTION 313

REPORTING REQUIREMENTS;

CHEMICALS

CAS #

%

METHYL ETHYL KETONE

78-93-3

25-40%

CERCLA 103 REPORTABLE QUANTITY: SPILLS OF THIS PRODUCT OVER THE RQ MUST BE

REPORTED TO THE NATIONAL RESPONSE

CENTER. THE RQ FOR THE PRODUCT BASED ON THE RQ FOR TETRAHYDROFURAN (45% MAX) OF 1,000 LBS, IS 2,222 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 CA. PROPOSITION 65 REGULATION.

TSCA INVENTORY: ALL OF THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

-----SECTION 16 - ADDITIONAL INFORMATION -----

Additional Information:

N.A. - NOT APPLICABLE

N.E. - NOT ESTABLISHED

N.D. - NOT DETERMINED