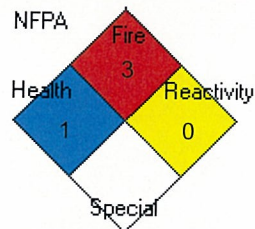


MSDS - Material Safety Data Sheet**Product Name: ALL PURPOSE CEMENT****MSDS No.: 379535****Part Numbers Covered:**15010
15011
15015
15020**I. Basic Information:****Manufacturer:** Genova Industries
Address: 7034 East Court Street
City, ST Zip: Davison, MI 48423**Last Update:** 02/05/2003**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid**Chemical Type:** ☐ Pure ☒ Mixture

1	Health
3	Flammability
0	Reactivity
J	Pers. Protection

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
108941	CYCLOHEXANONE	9-16%						25 PPM	25 PPM	NI
109999	FURAN, TETRAHYDRO-	29-55%						200 PPM	250	NI
78933	METHYL ETHYL KETONE	25-40%					X	300 PPM	300	NI

III. Hazardous Identification:**Hazard Category:**
☒ Acute
 ☒ Chronic
 ☒ Fire
 ☐ Pressure
 ☐ Reactive
Hazardous Identification Information:

VERY FLAMABLE

PLEASE SEE 1ST AID MEASURES SECTION FOR ALL HEALTH RELATED INQUIRIES

IV. First Aid Measures:**Route(s) of Entry:**

EYES - LIQUID CAUSES SEVERE IRRITATION. VAPORS CAUSE SLIGHT TO MODERATE IRRITATION.

SKIN - LIQUID OR VAPORS CAUSES MODERATE IRRITATION.

INHALATION - CAN CAUSE NOSE AND THROAT IRRITATION, HEADACHE, NAUSEA, DROWSINESS, DIZZINESS, AND INCOORDINATION.

INGESTION - MODERATELY TOXIC. MAY CAUSE NAUSEA, VOMITING, AND DIARRHEA.

TARGET ORGANS - EYE, SKIN, KIDNEY, LUNG, LIVER, CENTRAL NERVOUS SYSTEM.

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Health Hazards (Acute and Chronic):

TETRAHYDROFURAN - OVEREXPOSURE TO TETRAHYDROFURAN HAS BEEN FOUND TO CAUSE LIVER ABNORMALITIES AND KIDNEY DAMAGE TO LABORATORY ANIMALS.

CYCLOHEXANONE - OVEREXPOSURE TO CYCLOHEXANONE HAS BEEN FOUND TO CAUSE LIVER ABNORMALITIES AND KIDNEY DAMAGE TO LABORATORY ANIMALS.

Signs and Symptoms:

SEE ROUTES OF ENTRY ABOVE.

Medical Conditions Generally Aggravated by Exposure:

SEE ROUTES OF ENTRY ABOVE.

Emergency and First Aid Procedures:

FOR EMERGENCY FIRST AID HELP CALL 1-303-623-5716 COLLECT.

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

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

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.

INGESTION - DRINK WATER AND CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY. AVOID ALCHOLIC BEVERAGES. NEVER GIVE ANYTHING BY MOUTH TO A UNCONCIOUS PERSON.

Other Health Warnings:

NI

V. Fire Fighting Measures:

Flash Point: 5 - 8 F DE

Lower Explosive Limit: 1.1

Upper Explosive Limit:

Fire Extinguishing Media:

FOR SMALL FIRES: USE DRY CHEMICAL, CO2, WATER, OR FOAM EXTINGUISHER.
FOR LARGE FIRES: EVACUATE AREA AND CALL FIRE DEPARTMENT IMMEDIATELY.

Special Fire Fighting Procedures:

USE PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARAUS.

Unusual Fire and Explosion:

ELIMINATE SOURCES OF IGNITION BECAUSE VAPORS MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

VENTILATE, DIKE, AND DISPENSE SAND, SAWDUST, OR VERMICULITE. COLLECT AND PLACE IN WASTE CONTAINER.

VII. Handling and Storage:

Precautions to be Taken:

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STORE BELOW 110 DEGREES F

STORE IN A WELL VENTILATED AREA.

NEVER USE PRESSURE TO EMPTY CONTAINERS.

KEEP CLOSURE TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE.

STORE OUT OF SUNLIGHT AND AWAY FROM HEAT SOURCES.

DO NOT STORE OR USE NEAR HEAT, SPARKS, OR FLAMES.

DO NOT PUNCTURE, DRAG OR SLIDE CONTAINER.

KEEP OUT OF REACH OF CHILDREN.

Other Precautions:

PREVENT PROLONGED OR REPEATED BREATHING OF VAPORS RELEASED DURING APPLICATION PROCESS.

DO NOT WELD OR FLAME CUT AN EMPTY CONTAINER.

THIS PRODUCT AS SUPPLIED IS A LIQUID, AND THERE ARE NOT DUST HAZARDS FROM THE POWDERS IN IT. WHEN THE PRODUCT IS PROCESSED, THE POWDERS SHOULD BE ENCAPSULATED. THE USER MUST DETERMINE IF THERE IS A DUST HAZARD BECAUSE OF THE PROCESS USED OR THE END USE OF THE DRIED MATERIAL.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN DAMAGE AND NERVOUS SYSTEM DAMAGE.

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

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

LOCAL EXHAUST: OPEN DOORS & WINDOWS. IF USED IN A ENCLOSED AREA, USE EXHAUST FANS.

Personal Protective Equipment:

EYES: SAFETY GLASSES WITH SIDE SHIELDS.

REPIRATORY: NIOSH-APPROVED CANNISTER RESPIRATOR IN ABSENCE OF ADEQUATE VENTILATION.

GLOVES: RUBBER GLOVES.

OTHER: EYE WASH AND SAFETY SHOWER SHOULD BE AVAILABLE.

IX. Physical and Chemical Properties:

Boiling Point: 146 F D

Melting Point: NI

Evaporation Rate: 6.7

Vapor Pressure (mm Hg.): 105

Vapor Density (AIR = 1): 2.6

Solubility In Water: MODERATE

Apprearance and Odor: SLIGHT VISCOUS CLEAR LIQUID WITH KE

Other Information:

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X. Stability and Reactivity:

Stability:

STABLE, MAY FORM EXPLOSIVE PEROXIDES UPON LONG STANDING IN AIR.

Incompatibility (Materials to Avoid):

ACIDS, STRONG OXIDIZERS, ALKALIS, CHLORINATED INORGANICS (POTASSIUM, CALCIUM AND SODIUM HYPOCHLORITE), COPPER AND COPPER ALLOYS.

Decomposition/By Products:

BURNING CAN PRODUCE CO, CO₂, H₂O, HCl, Cl₂, AND VAPORS OF CHEMICALS IN SECTION II.

Hazardous Polymerization:

WILL OCCUR IN THE PRESENCE OF CATIONIC INITIATORS.

XI. Toxicological Information:

NDA

XII. Ecological Information:

NDA

XIII. Disposal Considerations:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

XIV. Transport Information:

TRANSPORATION INFORMATION:

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D

DOT NUMBER: ORM-D

IMCO CLASS: 3.2

DOT HAZARD CLASSIFICATION: FLAMMABLE LIQUID

XV. Regulatory Information:

NDA

XVI. Other Information:

KEEP AWAY FROM HEAT SPARK AND FLAMES AT ALL TIMES.

STORE IN A COOL DRY PLACE.