

GENOVA PRODUCTS, INC.
DAVISON, MICHIGAN

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M A T E R I A L S A F E T Y D A T A S H E E T
May be used to comply with OSHA's Hazard Communication
Standard, 29 CFR 1910.1200

SECTION I. IDENTIFICATION

MANUFACTURER'S NAME: GENOVA PRODUCTS, INC.
ADDRESS: 7034 E. COURT STREET
DAVISON, MI 48423

EMERGENCY PHONE: 313 744-4500

DATE OF PREPARATION: July 26, 1988

PRODUCT IDENTIFICATION: ALL PURPOSE CEMENT

PROPER SHIPPING NAME: CEMENT, ADHESIVE, N.O.S., IN CANS

HAZARD CLASS: FLAMMABLE LIQUID IDENTIFICATION #: UN 1133

HAZARD RATINGS:

	<u>HEALTH</u>	<u>FLAMMABILITY</u>	<u>REACTIVITY</u>
HMIS RATING:	3	3	1
NFPA RATING:	2	3	1

SECTION II. HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

CHEMICAL NAME(S)	CAS NUMBER	OSHA PEL	ACGIH TLV	PERCENT BY WEIGHT
TETRAHYDROFURAN	109-99-9	200 PPM	200 PPM	80
CYCLOHEXANONE	108-94-1	50 PPM	25 PPM	10
<i>CPVC Resin</i>	<i>68648-82-8</i>			<i>10</i>

NOTE: ALL REMAINING INGREDIENTS ARE NOT HAZARDOUS IN THE FINISHED PRODUCT.

ALL PERCENTAGES ARE ACCURATE WITHIN THE GUIDELINES PUBLISHED BY THE
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (°F): 151

VAPOR PRESSURE (MM Hg): 97.5 AT 20°C

VAPOR DENSITY (AIR = 1): 2.6

SOLUBILITY IN WATER: PARTIALLY SOLUBLE

SPECIFIC GRAVITY: 1.0

EVAPORATION RATE (BUTYL ACETATE = 1): NOT AVAILABLE

~~APPEARANCE AND ODOR: CLEAR TO AMBER COLORED LIQUID WITH ETHERAL ODOR~~

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (T.C.C.): 6°F

FLAMMABLE LIMITS (% BY VOL.) LOWER: 2 UPPER: 12

EXTINGUISHING MEDIA: ALCOHOL FOAM, DRY CHEMICAL, CO₂. USE WATER
SPRAY FOR COOLING EXPOSED CONTAINERS.

SPECIAL FIRE FIGHTING PROCEDURES: EVACUATE AREA. FIRE FIGHTERS SHOULD WEAR
PROPER RESPIRATORY EQUIPMENT TO PROTECT AGAINST HAZARDOUS COMBUSTION PRODUCTS.
WATER IN A STRAIGHT HOSE STREAM MAY CAUSE FIRE TO SPREAD AND SHOULD BE USED FOR
COOLING ONLY.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FUMES ARE HEAVIER THAN AIR AND MAY TRAVEL
ALONG THE GROUND TO IGNITION SOURCES.

SECTION V. REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: STRONG OXIDIZING AGENTS

CONDITIONS TO AVOID: CONDITIONS THAT FAVOR THE FORMATION OF EXCESSIVE MISTS
AND/OR FUMES.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, HYDROGEN CHLORIDE
AND VARIOUS HYDROCARBON FRACTIONS FROM INCOMPLETE COMBUSTION.

AS SELECTED LEWIS ACIDS OR STRONG PROTON ACIDS.

CONDITIONS TO AVOID: NO DATA FOUND

SECTION VI. HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: ABSORPTION, INHALATION

ACUTE AND CHRONIC HEALTH HAZARDS:

EYES - SEVERE IRRITATION, REDNESS, TEARING AND/OR BLURRED VISION IS POSSIBLE.

SKIN - MODERATE IRRITATION AND DISCOMFORT POSSIBLE. DEFATTING, REDNESS AND CHEMICAL DERMATITIS POSSIBLE. RECURRENT OVEREXPOSURE MAY CAUSE TOXIC SYSTEMIC EFFECTS.

INHALATION - NAUSEA, HEADACHE, DIZZINESS, IMPAIRED COORDINATION. SEVERE OVER-EXPOSURE MAY CAUSE LOSS OF CONSCIOUSNESS AND RESPIRATORY TRACT IRRITATION. TOXIC SYSTEMIC EFFECTS ARE POSSIBLE WITH RECURRENT OVEREXPOSURE.

INGESTION - SEVERE GASTROINTESTINAL TRACT IRRITATION. ORAL LD₅₀ (RAT) MAJOR COMPONENT = 5,690 MG/KG. ORAL LD₅₀ (RAT) MINOR COMPONENT = 1,535 MG/KG.

CARCINOGENICITY: NONE OF THE COMPONENTS ARE LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

SIGNS AND SYMPTOMS OF EXPOSURE: SEE HEALTH HAZARDS

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NO DATA FOUND

EMERGENCY AND FIRST AID PROCEDURES.

EYE - REMOVE CONTACT LENSES IF APPROPRIATE. FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN - WASH EXPOSED AREA WITH MILD SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INHALATION - REMOVE TO FRESH AIR. IF UNCONSCIOUS, GIVE OXYGEN. IF NOT BREATHING, APPLY ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

INGESTION - GIVE 1-2 GLASSES OF WATER TO DILUTE AND GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE AS ASPIRATION CAN CAUSE ASPHYXIATION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

IF SPILLAGE OCCURS, COVER IMMEDIATELY TO PREVENT FURTHER RELEASE. AVOID CONTACT

VENTILATE AREA. SOAK UP ON ABSORBENT MATERIAL FOR DISPOSAL. FLUSH SMALL SPILLS WITH LARGE AMOUNTS OF WATER.

WASTE DISPOSAL METHOD: COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS.
IF PERMITS AND REGULATIONS ALLOW, MAY BE INCINERATED, ALLOWED TO EVAPORATE
OR DEEP WELL INJECTED.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: GOOD GENERAL VENTILATION
SHOULD BE PROVIDED TO KEEP VAPOR CONCENTRATIONS BELOW FLAMMABILITY AND
EXPOSURE LIMITS. KEEP FROM HEAT, SPARKS AND FLAMES. KEEP CONTAINERS
TIGHTLY CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, VENTILATED AREA
AWAY FROM IGNITION SOURCES. DO NOT STORE WITH OXIDIZING AGENTS.

OTHER PRECAUTIONS: DO NOT INGEST. AVOID PROLONGED OR REPEATED CONTACT WITH
SKIN.

SECTION VIII. CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): USE NIOSH/MSHA APPROVED RESPIRATORS
IF VAPOR CONCENTRATIONS EXCEED PERMISSIBLE EXPOSURE LIMITS.

VENTILATION: USE LOCAL EXHAUST OR DILUTION VENTILATION AS REQUIRED TO CONTROL
VAPOR CONCENTRATIONS BELOW PERMISSIBLE EXPOSURE LIMITS. MECHANICAL EXHAUST,
IF REQUIRED, SHOULD BE REMOVED FROM THE VAPOR CONCENTRATION OR BE OF AN
EXPLOSION PROOF DESIGN.

PROTECTIVE GLOVES: PVA COATED OR OTHER CHEMICALLY RESISTANT MATERIAL.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES WITH SPLASH SHIELDS OR FULL FACE
SHIELD.

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT,
WEAR IMPERVIOUS CLOTHING.

WORK/HYGENIC PRACTICES: WASH SKIN AND CLOTHING THOROUGHLY AFTER HANDLING.

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE.
INFORMATION ON MIXTURES IS BASED ON AVAILABLE DATA OF THE COMPONENTS. ALTHOUGH WE
BELIEVE IT TO BE SCIENTIFICALLY VALID IT IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED
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OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE AND SUITABLE TO THEIR CIRCUM-
STANCES.

THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE
BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE
DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR
EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR
DISPOSAL OF THE PRODUCT.

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