

DOD Hazardous Materials Information System  
DoD 6050.5-L  
AS OF July 1998

FSC: 8030  
NIIN: 010606409  
Manufacturer's CAGE: 56879  
Part No. Indicator: A  
Part Number/Trade Name: NOVAWELD C

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General Information  
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Item Name: SEALING COMPOUND  
Company's Name: GENOVA PRODUCTS, INC  
Company's Street: 7034 E.COURT STREET  
Company's P. O. Box: N/K  
Company's City: DAVISON  
Company's State: MI  
Company's Country: US  
Company's Zip Code: 48423-2504  
Company's Emerg Ph #: 313-744-4500  
Company's Info Ph #: 313-744-4500  
Distributor/Vendor # 1:  
Distributor/Vendor # 1 Cage:  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: D  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SN  
Date MSDS Prepared: 26JUL88  
Safety Data Review Date: 02JAN90  
Supply Item Manager: 75  
MSDS Preparer's Name: N/K  
Preparer's Company:  
Preparer's St Or P. O. Box:  
Preparer's City:  
Preparer's State:  
Preparer's Zip Code:  
Other MSDS Number:  
MSDS Serial Number: BHGFF  
Specification Number: N/R  
Spec Type, Grade, Class: N/R  
Hazard Characteristic Code: F3  
Unit Of Issue: PT  
Unit Of Issue Container Qty: 1.0 PT  
Type Of Container: CAN  
Net Unit Weight:

Report for NIIN: 010606409

NRC/State License Number: N/R  
Net Explosive Weight:  
Net Propellant Weight-Ammo: N/R  
Coast Guard Ammunition Code:

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Ingredients/Identity Information  
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Proprietary: NO  
 Ingredient: TETRAHYDROFURAN (SARA III)  
 Ingredient Sequence Number: 01  
 Percent: 80.0  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: LU5950000  
 CAS Number: 109-99-9  
 OSHA PEL: 200 PPM/250 STEL  
 ACGIH TLV: 200 PPM/250STEL;9192  
 Other Recommended Limit: NOT ESTABLISHED

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Proprietary: NO  
 Ingredient: CYCLOHEXANONE (SARA III)  
 Ingredient Sequence Number: 02  
 Percent: 10.0  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: GW1050000  
 CAS Number: 108-94-1  
 OSHA PEL: S, 50 PPM  
 ACGIH TLV: S, 25 PPM; 9293  
 Other Recommended Limit: NOT ESTABLISHED

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Proprietary: NO  
 Ingredient: NON-HAZARDOUS INGREDIENTS(NOT SPECIFIED)  
 Ingredient Sequence Number: 03  
 Percent: BALANCE  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: 1000314NH  
 CAS Number:  
 OSHA PEL: N/K  
 ACGIH TLV: N/K  
 Other Recommended Limit: NOT ESTABLISHED

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Physical/Chemical Characteristics

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Appearance And Odor: ORANGE COLORED LIQUID WITH ETHERAL ODOR  
 Boiling Point: 151F,66C  
 Melting Point: N/K  
 Vapor Pressure (MM Hg/70 F): 97.5 MMHG  
 Vapor Density (Air=1): 2.6  
 Specific Gravity: 1.0  
 Decomposition Temperature: N/K  
 Evaporation Rate And Ref: N/K

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Solubility In Water: PARTIALLY SOLUBLE  
 Percent Volatiles By Volume: N/K  
 Viscosity:  
 pH: N/K  
 Radioactivity:  
 Form (Radioactive Matl):  
 Magnetism (Milligauss): N/P  
 Corrosion Rate (IPY): N/K  
 Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: 6F,-14C  
Flash Point Method: TCC  
Lower Explosive Limit: 2.0  
Upper Explosive Limit: 12.0  
Extinguishing Media: USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.  
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO  
COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire And Expl Hazrds: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION  
OF HAZARDOUS DECOMPOSITION PRODUCTS;VAPORS ARE HEAVIER THAN AIR MAY TRAVEL  
ALONG THE GROUND.  
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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES  
Materials To Avoid: STRONG OXIDIZING AGENTS  
Hazardous Decomp Products: CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN  
CHLORIDE AND OTHER UNIDENTIFIED COMPONENTS (HYDROCARBON PRODUCTS)  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): AVOID EXCESSIVE MIST OR VAPORS.  
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Health Hazard Data  
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LD50-LC50 Mixture: LD50 (ORAL RAT) IS 5.690 MG/KG  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY OR  
G.I.TRACTS;CNS EFFECTS LIKE HEADACHE,DIZZINESS,NAUSEA,VOMITING AND POSSIBLE  
UNCONSCIOUSNESS;REDNESS OR BURNS OF EYES/SKIN POSSIBLE.CHRONIC:DRYING OF  
SKIN,DEFATTING OR DERMATITIS.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS DATA.  
Med Cond Aggravated By Exp: PERSONS WITH A HISTORY OF AILMENTS OR WITH A  
PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE  
AT INCREASED RISK FROM EXPOSURE.

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Emergency/First Aid Proc: INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF  
NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF  
WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:  
REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION  
PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE  
NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.  
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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: USE PROPER PERSONAL PROTECTION;REMOVE ALL  
IGNITION SOURCES;CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE INERT  
ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED  
CONTAINER.

Neutralizing Agent: NOT APPLICABLE.

Waste Disposal Method: CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE IN  
ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND

## REGULATIONS.

Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions: DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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Control Measures  
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Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation: LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves: NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Suppl. Safety & Health Data: AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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Transportation Data  
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Transportation Action Code:

Transportation Focal Point: D

Trans Data Review Date: 90002

DOT PSN Code: AFR

DOT Symbol:

DOT Proper Shipping Name: ADHESIVES,

DOT Class: 3

DOT ID Number: UN1133

DOT Pack Group: II

DOT Label: FLAMMABLE LIQUID

DOT/DoD Exemption Number:

IMO PSN Code: DUW

IMO Proper Shipping Name: CEMENT,

Report for NIIN: 010606409

IMO Regulations Page Number: SEE 3102

IMO UN Number: 1133

IMO UN Class: 3.1

IMO Subsidiary Risk Label: -

IATA PSN Code: AKY

IATA UN ID Number: 1133

IATA Proper Shipping Name: ADHESIVES

IATA UN Class: 3

IATA Subsidiary Risk Class:

IATA Label: FLAMMABLE LIQUID

AFI PSN Code: AKY

AFI Symbols:

AFI Prop. Shipping Name: ADHESIVES

AFI Class: 3

AFI ID Number: UN1133

AFI Pack Group: II

AFI Label:

AFI Special Prov:

AFI Basic Pac Ref: 7-8

MMAC Code:

N.O.S. Shipping Name: CONTAINS 10% CYCLOHEXANONE

Additional Trans Data: SHIPPING NAME PER MSDS.

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Disposal Data  
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Disposal Data Action Code:  
Disposal Data Focal Point:  
Disposal Data Review Date:  
Rec # For This Disp Entry:  
Tot Disp Entries Per NSN:  
Landfill Ban Item:  
Disposal Supplemental Data:  
1st EPA Haz Wst Code New:  
1st EPA Haz Wst Name New:  
1st EPA Haz Wst Char New:  
1st EPA Acute Hazard New:  
2nd EPA Haz Wst Code New:  
2nd EPA Haz Wst Name New:  
2nd EPA Haz Wst Char New:  
2nd EPA Acute Hazard New:  
3rd EPA Haz Wst Code New:  
3rd EPA Haz Wst Name New:  
3rd EPA Haz Wst Char New:  
3rd EPA Acute Hazard New:

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Label Data  
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Label Required: YES  
Technical Review Date:  
Label Date:  
MFR Label Number:  
Label Status: F  
Common Name:

Report for NIIN: 010606409

Chronic Hazard: N/P  
Signal Word:  
Acute Health Hazard-None:  
Acute Health Hazard-Slight:  
Acute Health Hazard-Moderate:  
Acute Health Hazard-Severe:  
Contact Hazard-None:  
Contact Hazard-Slight:  
Contact Hazard-Moderate:  
Contact Hazard-Severe:  
Fire Hazard-None:  
Fire Hazard-Slight:  
Fire Hazard-Moderate:  
Fire Hazard-Severe:  
Reactivity Hazard-None:  
Reactivity Hazard-Slight:  
Reactivity Hazard-Moderate:  
Reactivity Hazard-Severe:  
Special Hazard Precautions: MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN. VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION. CONTACT MAY IRRITATE OR BURN SKIN AND EYES. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.  
Protect Eye:  
Protect Skin:  
Protect Respiratory:  
Label Name: GENOVA PRODUCTS, INC

Label Street: 7034 E.COURT STREET  
Label P.O. Box: N/K  
Label City: DAVISON  
Label State: MI  
Label Zip Code: 48423-2504  
Label Country: US  
Label Emergency Number: 313-744-4500  
Year Procured: