

MSDS: D8356

ITEM: 5E094 - Cement Contact 1 Qt

ORDER: 0157837323

LP NUMBER: U875450976

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

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SDS - D8356

Associated Grainger Items  
29RU98, 29RU99, 29RV01, 5E094, 5E095

SDS NUMBER: 00030503001

REVISION DATE: 6/19/2015

DAP(R\*)

SAFETY DATA SHEET

24 HOUR EMERGENCY PHONE NUMBERS MEDICAL/POISON CONTROL:  
IN U.S.: CALL 1-800-222-1222

OUTSIDE U.S.: CALL YOUR LOCAL POISON CONTROL CENTER

TRANSPORTATION/NATIONAL RESPONSE CENTER:  
1-800-535-5053  
1-352-323-3500

NOTE:

THE NATIONAL RESPONSE CENTER EMERGENCY NUMBERS TO BE USED ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT INVOLVING CHEMICALS.

IMPORTANT:

PROVIDE THIS INFORMATION TO EMPLOYEES, CUSTOMERS, AND USERS OF THIS PRODUCT READ THIS SDS BEFORE HANDLING OR DISPOSING OF THIS PRODUCT. THIS PRODUCT IS COVERED BY THE OSHA HAZARD COMMUNICATION STANDARD AND THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THIS STANDARD. ALL ABBREVIATED TERMS USED IN THIS MSDS ARE FURTHER DESCRIBED IN SECTION 16.

1. IDENTIFICATION

THIS MATERIAL SAFETY DATA SHEET IS AVAILABLE IN AMERICAN SPANISH UPON REQUEST.

PRODUCT NAME: WELWOOD ORIGINAL CONTACT CEMENT

PRODUCT UPC NUMBER: 00271, 00272, 00273

PRODUCT USE/CLASS: CONTACT ADHESIVE

MANUFACTURER:  
DAP PRODUCTS INC.  
2400 BOSTON STREET SUITE 200  
BALTIMORE, MD 21224-4723  
888-327-8477 (NON - EMERGENCY MATTERS)

PREPARER: REGULATORY DEPARTMENT

REVISION DATE: 6/19/2015

SUPERSEDES DATE: 7/18/2013

SDS NO: 00030503001

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER:

FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE OR EXPLOSION. VAPORS CAN FORM AN IGNITABLE MIXTURE WITH AIR. VAPORS CAN FLOW ALONG SURFACES TO A DISTANT IGNITION SOURCE AND FLASH BACK. DO NOT SMOKE. EXTINGUISH ALL FLAMES AND PILOT LIGHTS, AND TURN OFF STOVES, HEATERS, ELECTRIC MOTORS AND OTHER SOURCES OF IGNITION DURING USE AND UNTIL ALL VAPORS ARE GONE. KEEP CONTAINER

CLOSED AND AWAY FROM HEAT, SPARKS, AND OPEN FLAME. STORE AWAY FROM CAUSTICS AND OXIDIZERS. AVOID BREATHING VAPOR. AVOID SKIN AND EYE CONTACT. USE ONLY WITH ADEQUATE VENTILATION. PREVENT BUILD-UP OF VAPORS BY OPENING ALL WINDOWS AND DOORS TO ACHIEVE CROSS-VENTILATION. IRRITATING TO EYES RESPIRATORY SYSTEM AND SKIN. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.

GHS CLASSIFICATION:  
ACUTE TOX. 4 INHALATION, ACUTE TOX. 4 ORAL, CARC. 1B, EYE IRRIT. 2, FLAM. LIQ. 2, MUTA. 1B, SKIN IRRIT. 2, STOT RE 2, STOT SE 3 NE, STOT SE 3 RTI

SYMBOL(S) OF PRODUCT:  
EXCLAMATION MARK  
HEALTH HAZARD  
FLAME

SIGNAL WORD: DANGER

GHS HAZARD STATEMENTS:

FLAMMABLE LIQUID, CATEGORY 2:  
H225: HIGHLY FLAMMABLE LIQUID AND VAPOR.

ACUTE TOXICITY, ORAL, CATEGORY 4:  
H302: HARMFUL IF SWALLOWED.

SKIN IRRITATION, CATEGORY 2:  
H315: CAUSES SKIN IRRITATION.

EYE IRRITATION, CATEGORY 2:  
H319: CAUSES SERIOUS EYE IRRITATION.

ACUTE TOXICITY, INHALATION, CATEGORY 4:  
H332: HARMFUL IF INHALED.

STOT, SINGLE EXPOSURE, CATEGORY 3, RTI:  
H335: MAY CAUSE RESPIRATORY IRRITATION.

STOT, SINGLE EXPOSURE, CATEGORY 3, NE:  
H336: MAY CAUSE DROWSINESS OR DIZZINESS.

GERM CELL MUTAGENICITY, CATEGORY 1B:

H340:  
MAY CAUSE GENETIC DEFECTS. CLASSIFIED AS MUTAGENIC CATEGORY 1 IF ONE INGREDIENT IS PRESENT AT OR ABOVE 0.1% APPLIES TO LIQUIDS, SOLIDS (W/W UNITS) A GASES (V/V). THE SUBSTANCE MAY ALSO HAVE ITS OWN EXPOSURE LIMIT. ROUTES OF EXPOSURE ARE DEPENDANT ON INGREDIENT FORM.

CARCINOGENICITY, CATEGORY 1B:

H350:  
MAY CAUSE CANCER. CLASSIFIED AS CARCINOGENIC CATEGORY 1 ON THE BASIS OF EPIDEMIOLOGICAL AND/OR ANIMAL DATA. MIXTURES ARE CLASSIFIED AS CARCINOGENIC WHEN AT LEAST 1 INGREDIENT HAS BEEN CLASSIFIED AS CARCINOGENIC AND IS PRESENT AT 0.1% OR ABOVE ROUTES OF EXPOSURE ARE DEPENDANT ON INGREDIENT FORM.

STOT, REPEATED EXPOSURE, CATEGORY 2:

H373:  
MAY CAUSE DAMAGE TO ORGANS <OR STATE ALL ORGANS AFFECTED, IF KNOWN> THROUGH PROLONGED OR REPEATED EXPOSURE <STATE ROUTE OF EXPOSURE IF IT IS CONCLUSIVELY PROVEN THAT NO OTHER ROUTES OF EXPOSURE CAUSE THE HAZARD>.

GHS LABEL PRECAUTIONARY STATEMENTS:

P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

P210:  
KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.

P260: DO NOT BREATHE DUST/FUME/GAS/MIST/VAPORS/SPRAY.

P280:  
WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

P302+P352:  
IF ON SKIN: WASH WITH PLenty OF SOAP AND WATER.

P305+P351+P338:

IF IN EYES:  
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P308+P313:  
IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

P312: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

P337+P313:  
IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

P362: TAKE OFF CONTAMINATED CLOTHING.

P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

GHS SDS PRECAUTIONARY STATEMENTS:  
P240: GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.  
P241: USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/.../EQUIPMENT.  
P242: USE ONLY NON-SPARKING TOOLS.  
P243: TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.  
P270: DO NO EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME<br>STATEMENTS        | CAS-NO.    | WT. %   | GHS SYMBOLS             | GHS                                  |
|------------------------------------|------------|---------|-------------------------|--------------------------------------|
| TOLUENE                            | 108-88-3   | 50-75   | GHS02-GHS03-GHS07-GHS08 | H225-270-302-304-315-332-335-336-373 |
| METHYL ETHYL<br>KETONE (MEK)       | 78-93-3    | 10-25   | GHS02-GHS03-GHS07       | H225-270-319-332-336                 |
| LIGHT ALIPHATIC<br>SOLVENT NAPHTHA | 64742-89-8 | 2.5-10  | GHS03-GHS06-GHS08       | H270-304-331-340-350                 |
| N-HEPTANE                          | 142-82-5   | 2.5-10  | GHS02-GHS03-GHS07-GHS08 | H225-270-304-315-336                 |
| MAGNESIUM OXIDE<br>FUME            | 1309-48-4  | 1.0-2.5 | GHS03                   | H270                                 |

THE TEXT FOR GHS HAZARD STATEMENTS SHOWN ABOVE (IF ANY) IS GIVEN IN THE "OTHER INFORMATION" SECTION.

4. FIRST-AID MEASURES

FIRST AID - INHALATION:  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE:  
ONLY TRAINED PERSONNEL SHOULD ADMINISTER ARTIFICIAL RESPIRATION OR GIVE OXYGEN.

FIRST AID - SKIN CONTACT:  
WASH SKIN WITH SOAP AND WATER FOR 15 MINUTES. GET MEDICAL AID IF SYMPTOMS PERSIST. REMOVE AND WASH CONTAMINATED CLOTHING. DO NOT TRY TO PEEL THE

SOLIDIFIED MATERIAL FROM THE SKIN OR USE SOLVENTS OR THINNERS TO DISSOLVE IT. THE USE OF VEGETABLE OIL OR MINERAL OIL IS RECOMMENDED FOR REMOVAL OF THIS MATERIAL FROM THE SKIN. FLUSH EXPOSED AREA WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. TO REMOVE FROM SKIN, REMOVE COMPLETELY WITH A DRY CLOTH OR PAPER TOWEL, BEFORE WASHING WITH DETERGENT AND WATER.

FIRST AID - EYE CONTACT:  
IF MATERIAL GETS INTO EYES, FLUSH WITH WATER IMMEDIATELY FOR 15 MINUTES. CONSULT A PHYSICIAN.

FIRST AID - INGESTION:  
IF SWALLOWED, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

#### 5. FIRE-FIGHTING MEASURES

UNUSUAL FIRE AND EXPLOSION HAZARDS:

ELIMINATE SOURCES OF IGNITION:  
HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAMES. VAPORS CAN FORM AN IGNITABLE MIXTURE WITH AIR. VAPORS CAN FLOW ALONG SURFACES TO A DISTANT IGNITION SOURCE AND FLASH BACK. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR). VAPOR CAN IGNITE POTENTIALLY CAUSING AN EXPLOSION.

SPECIAL FIREFIGHTING PROCEDURES:  
WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND (NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. USE WATER SPRAY TO COOL EXPOSED SURFACES.  
COOL FIRE-EXPOSED CONTAINERS USING WATER SPRAY.

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM

#### 6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL MEASURES: NO INFORMATION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

NOTE:

REVIEW FIRE HAZARDS BEFORE PROCEEDING WITH CLEAN UP. IMMEDIATELY ELIMINATE SOURCES OF IGNITION. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. SCRAPE UP DRIED MATERIAL AND PLACE INTO CONTAINERS. PREVENT PRODUCT FROM ENTERING DRAINS. SOAK UP WITH INERT ABSORBENT MATERIAL AND DISPOSE OF AS HAZARDOUS WASTE. READ ALL PRODUCT INSTRUCTIONS BEFORE USING. PERSONAL PROTECTIVE EQUIPMENT SHOULD INCLUDE IMPERVIOUS GLOVES, PROTECTIVE EYE WEAR, AND SUITABLE WORK CLOTHES.

#### 7. HANDLING AND STORAGE

HANDLING:

KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. REMOVE ALL SOURCES OF IGNITION. KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION. PROVIDE ADEQUATE VENTILATION. AVOID HEAT, SPARKS AND OPEN FLAMES. WEAR APPROPRIATE PERSONAL PROTECTION. AVOID BREATHING VAPOR AND CONTACT WITH EYES, SKIN AND CLOTHING. USE IN WELL VENTILATED AREA. OPEN ALL WINDOWS AND DOORS OR USE OTHER MEANS TO ENSURE CROSS-VENTILATION AND FRESH AIR ENTRY DURING APPLICATION AND DRYING. ODOR IS NOT AN ADEQUATE WARNING FOR HAZARDOUS CONDITIONS. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR). VAPOR CAN IGNITE POTENTIALLY CAUSING AN EXPLOSION. WASH THOROUGHLY AFTER HANDLING. DO NOT USE IN AREAS WHERE STATIC SPARKS MAY BE GENERATED. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPORS MAY BE HARMFUL OR FATAL. CONSTRUCTION AND REPAIR ACTIVITIES CAN ADVERSELY AFFECT INDOOR AIR QUALITY. CONSULT WITH OCCUPANTS OR A REPRESENTATIVE (I.E. MAINTENANCE, BUILDING MANAGER, INDUSTRIAL HYGIENIST, OR SAFETY OFFICER) TO DETERMINE WAYS TO MINIMIZE IMPACT.

STORAGE:

STORE AWAY FROM SOURCES OF IGNITION AND HEAT. DO NOT STORE AT TEMPERATURES ABOVE 120 DEGREES F. STORE CONTAINERS AWAY FROM EXCESSIVE HEAT AND FREEZING. STORE AWAY FROM CAUSTICS AND OXIDIZERS. KEEP CONTAINERS TIGHTLY CLOSED.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS WITH OCCUPATIONAL EXPOSURE LIMITS:

| CHEMICAL NAME                   | ACGIH TLV-TWA                       | ACGIH-TLV STEL                       | OSHA PEL-TWA                            | OSHA PEL-CEILING |
|---------------------------------|-------------------------------------|--------------------------------------|-----------------------------------------|------------------|
| TOLUENE 20 PPM TWA              | N.E.                                | 200 PPM TWA                          | 300 PPM CEILING                         |                  |
| METHYL ETHYL KETONE (MEK)       | 200 PPM TWA                         | 300 PPM STEL                         | 200 PPM TWA, 590 MG/M3 TWA              | N.E.             |
| LIGHT ALIPHATIC SOLVENT NAPHTHA | N.E.                                | N.E.                                 | N.E.                                    | N.E.             |
| N-HEPTANE                       | 400 PPM TWA<br>HEPTANE, ALL ISOMERS | 500 PPM STEL<br>HEPTANE, ALL ISOMERS | 500 PPM TWA, 2000 MG/M3 TWA             | N.E.             |
| MAGNESIUM OXIDE FUME            | 10 MG/M3 TWA<br>INHALABLE FRACTION  | N.E.                                 | 15 MG/M3 TWA<br>FUME, TOTAL PARTICULATE | N.E.             |

FURTHER ADVICE:

MEL = MAXIMUM EXPOSURE LIMIT  
OES = OCCUPATIONAL EXPOSURE STANDARD  
SUP = SUPPLIER'S RECOMMENDATION  
SK = SKIN SENSITIZER  
N.E. = NOT ESTABLISHED

PERSONAL PROTECTION:

RESPIRATORY PROTECTION:

A NIOSH-APPROVED AIR PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE NECESSARY UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS. IF CONCENTRATIONS EXCEED THE EXPOSURE LIMITS SPECIFIED, USE OF A NIOSH-APPROVED SUPPLIED AIR RESPIRATOR IS RECOMMENDED. WHERE THE PROTECTION FACTOR IS EXCEEDED, USE OF A SELF-CONTAINED BREATHING APPARATUS (SCBA) MAY BE NECESSARY. IF YOU EXPERIENCE EYE WATERING, HEADACHE OR DIZZINESS OR IF AIR MONITORING DEMONSTRATES VAPOR/MIST LEVELS ARE ABOVE APPLICABLE LIMITS, WEAR AND APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH APPROVED) DURING AND AFTER

APPLICATION. A RESPIRATORY PROTECTION PROGRAM THAT MEETS THE OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

SKIN PROTECTION: SOLVENT-RESISTANT GLOVES.

EYE PROTECTION: GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE EQUIPMENT:

PROVIDE EYEWASH AND SOLVENT IMPERVIOUS APRON IF BODY CONTACT MAY OCCUR.

HYGIENIC PRACTICES: REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: TAN

ODOR: STRONG SOLVENT

DENSITY, G/CM3: 0.88 - 0.88

FREEZE POINT, DEG. C: NOT ESTABLISHED

SOLUBILITY IN WATER: NOT ESTABLISHED

DECOMPOSITION TEMPERATURE, DEG. C: NOT ESTABLISHED

BOILING RANGE, DEG. C: 76.7 - 82.2

MINIMUM FLASH POINT, DEG. C: -6.1

EVAPORATION RATE: FASTER THAN N-BUTYL ACETATE

VAPOR DENSITY: HEAVIER THAN AIR

COMBUSTIBILITY: DOES NOT SUPPORT COMBUSTION

PHYSICAL STATE: LIQUID

ODOR THRESHOLD: NOT ESTABLISHED

PH: NOT APPLICABLE

VISCOSITY (MPA.S): NOT ESTABLISHED

PARTITION COEFF., N-OCTANOL/WATER: NOT ESTABLISHED

EXPLOSIVE LIMITS, %: N.I. - N.I.

AUTO-IGNITION TEMPERATURE, DEG. C: NOT ESTABLISHED

VAPOR PRESSURE, MMHg: NO INFORMATION

FLASH METHOD: SETA CLOSED CUP

(SEE "OTHER INFORMATION" SECTION FOR ABBREVIATION LEGEND)

(IF PRODUCT IS AN AEROSOL, THE FLASH POINT STATED ABOVE IS THAT OF THE PROPELLANT.)

#### 10. STABILITY AND REACTIVITY

STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

CONDITIONS TO AVOID:

OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION. KEEP AWAY FROM OXIDIZING AGENTS, STRONGLY ALKALINE AND STRONGLY ACID MATERIALS IN ORDER TO AVOID EXOTHERMIC REACTIONS. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT SMOKE.

INCOMPATIBILITY:

OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION. KEEP AWAY FROM STRONG OXIDIZING AGENTS, HEAT AND OPEN FLAMES. EXOTHERMIC REACTION WITH STRONG ACIDS. STRONG OXIDIZERS, ALKALI METALS AND ALKALINE EARTH METALS MAY CAUSE FIRES OR EXPLOSIONS.

HAZARDOUS DECOMPOSITION PRODUCTS:

NORMAL DECOMPOSITION PRODUCTS, I.E., COX, NOX.

#### 11. TOXICOLOGICAL INFORMATION

EFFECT OF OVEREXPOSURE - INHALATION:

INHALATION OF VAPORS MAY CAUSE IRRITATION OF THE NOSE, THROAT, LUNGS AND RESPIRATORY TRACT. INHALATION OF VAPORS IN HIGH CONCENTRATION MAY CAUSE SHORTNESS OF BREATH (LUNG EDEMA). INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. PROLONGED, REPEATED OR HIGH EXPOSURES MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION LEADING TO HEADACHES, NAUSEA, DROWSINESS, DIZZINESS, AND POSSIBLY NARCOSIS. IN EXTREME CASES, MAY CAUSE LOSS OF CONSCIOUSNESS.

EFFECT OF OVEREXPOSURE - SKIN CONTACT:

HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE SKIN IRRITATION. PROLONGED AND REPEATED SKIN CONTACT MAY CAUSE DERMATITIS, DRYING AND DEFATTING DUE TO THE SOLVENT PROPERTIES.

EFFECT OF OVEREXPOSURE - EYE CONTACT:

MAY CAUSE EYE IRRITATION. SIGNS AND SYMPTOMS MAY INCLUDE: PAIN, TEARS, SWELLING, REDNESS AND BLURRED VISION.

EFFECT OF OVEREXPOSURE - INGESTION:

HARMFUL OR FATAL IF SWALLOWED. INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE GASTROINTESTINAL DISTURBANCES WITH DIZZINESS AND CENTRAL NERVOUS SYSTEM DEPRESSION. IF INGESTED, MAY CAUSE DEPRESSED RESPIRATION, ASPIRATION HAZARD IF SWALLOWED. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

CARCINOGENICITY: NO INFORMATION

PRIMARY ROUTE(S) OF ENTRY: INHALATION, SKIN CONTACT

ACUTE TOXICITY VALUES:

THE ACUTE EFFECTS OF THIS PRODUCT HAVE NOT BEEN TESTED. DATA ON INDIVIDUAL COMPONENTS ARE TABULATED BELOW

| CAS-NO. | CHEMICAL NAME | ORAL LD50 | DERMAL LD50 | VAPOR LC50 |
|---------|---------------|-----------|-------------|------------|
|---------|---------------|-----------|-------------|------------|

108-88-3 TOLUENE 636 MG/KG RAT 8390 MG/KG RABBIT 12.5 MG/L RAT  
78-93-3 METHYL ETHYL KETONE (MEK) >2737 MG/KG RAT >5000 MG/KG RABBIT 23.5 MG/L RAT  
64742-89-8 LIGHT ALIPHATIC SOLVENT NAPHTHA 5000 MG/KG MOUSE 3000 MG/KG RABBIT >4.96 MG/L RAT  
142-82-5 N-HEPTANE 5000 MG/KG RAT 3000 MG/KG RABBIT >29.29 MG/L RAT  
1309-48-4 MAGNESIUM OXIDE FUME >2000 MG/KG >2000 MG/KG >20 MG/L RAT  
N.I.: NO INFORMATION

#### 12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:  
ECOLOGICAL INJURIES ARE NOT KNOWN OR EXPECTED UNDER NORMAL USE.

#### 13. DISPOSAL INFORMATION

DISPOSAL INFORMATION:  
RESIDUES AND SPILLED MATERIAL ARE HAZARDOUS WASTE DUE TO IGNITABILITY. DISPOSE OF MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. STATE AND LOCAL REGULATIONS/RESTRICTIONS ARE COMPLEX AND MAY DIFFER FROM FEDERAL REGULATIONS. RESPONSIBILITY FOR PROPER WASTE DISPOSAL IS WITH THE OWNER OF THE WASTE. LIQUIDS CANNOT BE DISPOSED OF IN A LANDFILL. DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM. DO NOT EMPTY INTO DRAINS. DO NOT RE-USE EMPTY CONTAINERS. THE CONTAINER FOR THIS PRODUCT CAN PRESENT EXPLOSION OR FIRE HAZARDS, EVEN WHEN EMPTIED. TO AVOID RISK OF INJURY, DO NOT CUT, PUNCTURE, OR WELD ON OR NEAR THIS CONTAINER.

#### 14. TRANSPORT INFORMATION

SPECIAL TRANSPORT PRECAUTIONS: NO INFORMATION  
DOT UN/NA NUMBER: UN1133  
DOT PROPER SHIPPING NAME: ADHESIVES, CONTAINING A FLAMMABLE LIQUID.  
DOT TECHNICAL NAME: N.A.  
DOT HAZARD CLASS: 3  
HAZARD SUBCLASS: N.A.  
PACKING GROUP: III

#### 15. REGULATORY INFORMATION

##### U.S. FEDERAL REGULATIONS:

CERCLA - SARA HAZARD CATEGORY:

THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA 'HAZARD CATEGORIES' PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:  
FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

##### SARA SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME CAS-NO.

TOLUENE 108-88-3

TOXIC SUBSTANCES CONTROL ACT:  
ALL INGREDIENTS IN THIS PRODUCT ARE EITHER ON TSCA INVENTORY LIST, OR OTHERWISE EXEMPT.

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12(B) IF EXPORTED FROM THE UNITED STATES:  
NO TSCA 12(B) COMPONENTS EXIST IN THIS PRODUCT.

##### CALIFORNIA PROPOSITION 65 CARCINOGENS:

WARNING:  
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

##### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS:

WARNING:  
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

##### INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS:  
THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR THE USE OF THE 16 HEADINGS.

WHMIS CLASS: NO INFORMATION

#### 16. OTHER INFORMATION

REVISION DATE: 6/19/2015  
SUPERSEDES DATE: 7/18/2013  
REASON FOR REVISION: HAZCOM2012/GHS CONVERSION  
DATASHEET PRODUCED BY: REGULATORY DEPARTMENT  
HMIS RATINGS:  
HEALTH 2  
FLAMMABILITY 3  
REACTIVITY 0

PERSONAL PROTECTION X  
VOC LESS WATER LESS EXEMPT SOLVENT, G/L: 705.5  
VOC MATERIAL, G/L: 704  
VOC AS DEFINED BY CALIFORNIA CONSUMER PRODUCT REGULATION, WT/WT: 80.4  
TEXT FOR GHS HAZARD STATEMENTS SHOWN IN SECTION 3 DESCRIBING EACH INGREDIENT:  
H225: HIGHLY FLAMMABLE LIQUID AND VAPOUR.  
H270: MAY CAUSE OR INTENSIFY FIRE; OXIDIZER.  
H302: HARMFUL IF SWALLOWED.  
H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
H315: CAUSES SKIN IRRITATION.  
H319: CAUSES SERIOUS EYE IRRITATION.  
H331: TOXIC IF INHALED.  
H332: HARMFUL IF INHALED.  
H335: MAY CAUSE RESPIRATORY IRRITATION.  
H336: MAY CAUSE DROWSINESS OR DIZZINESS.  
H340:  
MAY CAUSE GENETIC DEFECTS <STATE ROUTE OF EXPOSURE IF IT IS CONCLUSIVELY PROVEN THAT NO OTHER ROUTES OF EXPOSURE CAUSE THE HAZARDS H350 MAY CAUSE CANCER.  
H373:  
MAY CAUSE DAMAGE TO ORGANS <OR STATE ALL ORGANS AFFECTED, IF KNOWN> THROUGH PROLONGED OR REPEATED EXPOSURE <STATE ROUTE OF EXPOSURE IF IT IS CONCLUSIVELY PROVEN THAT NO OTHER ROUTES OF EXPOSURE CAUSE THE HAZARD>.  
ICONS FOR GHS PICTOGRAMS SHOWN IN SECTION 3 DESCRIBING EACH INGREDIENT:  
GHS02: FLAME  
GHS03: FLAME OVER CIRCLE  
GHS06: SKULLS AND CROSSBONES  
GHS07: EXCLAMATION MARK  
GHS08: HEALTH HAZARD  
LEGEND:  
N.A. - NOT APPLICABLE  
N.E. - NOT ESTABLISHED  
N.D. - NOT DETERMINED

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