

## Water White Conversion Varnish (85 Series)

To: MSDS User

Please find enclosed the material safety data sheet as per your request. The information presented in these forms is believed to be correct and sufficient to meet the requirements of the OSHA Hazard Communication Standard 29CFR 1910.1200.

These forms should be made available to all those who handle or may otherwise be exposed to the product(s).

The supplied material safety data sheet covers the common hazardous ingredients associated with more than one product. This is supplied in accordance with 29CFR 1910.1200 paragraph (g)(4), and Cal OSHA T8 CCR section 5194 (g)(4) which states: "where complex mixtures have similar hazards and contents ...but the specific composition varies from mixture to mixture ... the manufacturer may prepare one material safety data sheet to apply to all of these similar mixtures.

This MSDS and environmental data sheet is designed to address the safe use and handling of the R.J. McGlennon Company products that are listed below. It is not intended to address specific technical properties of an individual product.

See R.J. McGlennon Co. individual **Product Data Sheets** for VOC and other specific technical data.

This MSDS (identified as 85MSD Water White Conversion Varnish) covers all lacquer products (both stock and custom) which are labeled as an 85 series lacquer.

Following is a listing of our stock products that are made in this 85 series.

### Stock Products in 85 Series

#### CONVERSION VARNISH

CV-1000	Gloss
CV-1001	Semi-Gloss
CV-1002	Satin Flat
CV-1003	Rubbed Effect
CV-1009	Flat
*CVS-10	Vinyl Sanding Sealer
**CC-1	Conversion Varnish Catalyst

#### ULTRAVIOLET RESISTANT CONVERSION VARNISH

CV-1004	Rubbed Effect / U.V.
CV-1005	Semi-Gloss / U.V.
CV-1006	Satin Flat / U.V.
CV-1007	Gloss /U.V.
CV-1008	Flat /U.V.
*CVS-11	Vinyl Sanding Sealer/U.V.
**CC-1	Conversion Varnish Catalyst

\*NOTE: See attached MSDS below for the sanding sealers:  
CVS-10 and CVS-11 VINYL SANDING SEALER.

\*\*NOTE: See attached MSDS below for the catalyst associated with these products:  
CC-1 CONVERSION VARNISH CATALYST.

**PRODUCT NAME: 85 SERIES CONVERSION VARNISH TOPCOATS**  
**PRODUCT CODE: 85MSD**

**H M I S   C O D E S :   H F R P**  
**2 3 1 H**

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

**MANUFACTURER'S NAME: R. J. McGLENNON CO. INC.**  
**ADDRESS : 198 UTAH ST.**  
SAN FRANCISCO, CA 94103

**EMERGENCY PHONE : (800)424-9300**                      **DATE REVISED : 11/09/05**  
**INFORMATION PHONE : (415)552-0311**                **NAME OF PREPARER : J. Davis**  
**DATE PRINTED : 3/18/2008**

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
NORMAL BUTYL ACETATE	123-86-4	10.0      68 Deg F	35.0
OSHA PEL EXPOSURE LIMIT: 150 ppm			
ACGIH TLV EXPOSURE LIMIT: 150 ppm			
OTHER EXPOSURE LIMIT: N/A			
ACETONE	67-64-1	185.0     68 Deg F	12.0
OSHA PEL EXPOSURE LIMIT: 750 ppm - TWA			
ACGIH TLV EXPOSURE LIMIT: 750 ppm - TWA			
OSHA STEL : 1000 ppm			
* XYLENE	1330-20-7	5.1        68 Deg F	4.95
OSHA PEL EXPOSURE LIIMT: 100 ppm TWA			
ACGITH TLV EXPOSURE LIMIT: 100 ppm TWA			
OSHA STEL: 150 ppm			
ETHYL ALCOHOL	64-17-5	43.6      68 Deg F	5.0
OSHA PEL EXPOSURE LIMIT: 1000 ppm			
ACGIH TLV EXPOSURE LIMIT: 1000 ppm			
OTHER EXPOSURE LIMIT: N/A			
ALIPHATIC HYDROCARBON NAPHTHA	8032-32-4	30.0      100 DegF	1.5
OSHA PEL EXPOSURE LIMIT: 300 ppm			
ACGIH TLV EXPOSURE LIMIT: 300 ppm			
OTHER EXPOSURE LIMIT: N/A			
METHYL ETHYL KETONE	78-93-3	78        68 Deg F	1.0
OSHA PEL EXPOSURE LIMIT: 200 ppm - TWA			
ACGIH TLV EXPOSURE LIMIT: 200 ppm - TWA			
OTHER EXPOSURE LIMIT: N/A			

\* Indicates this product contains EPCRA section 313 chemical(s) subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

This information must be included in all MSDS's that are copied and distributed for this material. **WARNING:** This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm.

**WARNING:** This product contains flammable solvent(s).

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

**BOILING RANGE: 133 Deg F - 279 Deg F**                      **SPECIFIC GRAVITY (H2O=1): .95**  
**VAPOR DENSITY: HEAVIER THAN AIR**                              **EVAPORATION RATE: SLOWER THAN ETHER**  
**SOLUBILITY IN WATER: NEGLIGIBLE**

APPEARANCE AND ODOR: CLEAR LIQUID WITH ORGANIC SOLVENTS ODOR. IF SWALLOWED DO NOT INDUCE VOMITTING (MATERIAL COMPONENTS PRESENT AN ASPIRATION HAZARD) PLACE

SECTION IV FIRE AND EXPLOSION HAZARD DATA
FLASH POINT: 25 Deg.F. METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY % OF VOLUME- LOWER: 1.0% UPPER: 19.0%

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILL: ELIMINATE ALL

SPECIAL FIREFIGHTING PROCEDURES
WATER SPRAY MAY BE INEFFECTIVE, BUT MAY BE USED TO COOL CONTAINERS EXPOSED TO EXTREME HEAT. WEAR SELF-CONTAINED

WASTE DISPOSAL METHOD
HAZARDOUS WASTE REGULATIONS ARE NOT CONSISTENT THROUGHOUT THE COUNTRY (SOME WASTES ARE NOT HAZARDOUS WASTE UNDER FEDERAL

UNUSUAL FIRE AND EXPLOSION HAZARDS
NEVER REUSE OR REPAIR CONTAINERS OF THIS PRODUCT. (EXCEPT FOR THE RESIDUES WHICH MAY BE REUSED IN THE MANUFACTURE OF OTHER PRODUCTS)

PRECAUTIONS TO BE TAKEN IN SHEDDING AND REENTRY DATA
STABILITY ABOVE 120 DEG.F. DO NOT STORE OR USE NEAR HEAT, SPARKS, OPEN FLAMES, OR ANY SOURCE OF IGNITION.

CONDITIONS TO AVOID
ALL SOURCES OF IGNITION: HEAT, SPARKS, STATIC ELECTRICITY, OPEN FLAMES

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SECTION VIII HEALTH AND SAFETY DATA

HEALTH AND SAFETY DATA
SYMPTOMS OF EXPOSURE
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

VENTILATION
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
PROTECTIVE GLOVES

EYE PROTECTION
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
OTHER PROTECTIVE CLOTHING OR EQUIPMENT

HEALTH HAZARDS (ACUTE AND CHRONIC)
WORK/HYGIENIC PRACTICES

CAUSE DERMATITIS - EYE CONTACT CAN CAUSE
SECTION IX - DISCLAIMER

CARCINOGENICITY: NTP AND CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

OVER EXPOSURE TO SECTION II COMPONENTS CAN AGGRAVATE PRE-EXISTING DISORDERS OF KIDNEYS, LIVER AND RESPIRATORY SYSTEM.

EMERGENCY AND FIRST AID PROCEDURES

M A T E R I A L   S A F E T Y   D A T A   S H E E T

CVS-10 VINYL SANDING SEALER

Page: 1  
3/18/2008

PRODUCT NAME: CVS-10 VINYL SANDING SEALER  
PRODUCT CODE: 85-SS-108

HMIS CODES: H F R P  
2 3 1 H

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: R. J. McGLENNON CO. INC.  
ADDRESS : 198 UTAH ST.  
SAN FRANCISCO, CA 94103

EMERGENCY PHONE : (800)424-9300      DATE REVISED : 03/13/08  
INFORMATION PHONE : (415)552-0311      NAME OF PREPARER : J. Davis  
DATE PRINTED : 3/18/2008

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
ACETONE OSHA PEL EXPOSURE LIMIT: 750 ppm - TWA ACGIH TLV EXPOSURE LIMIT: 750 ppm - TWA OSHA STEL : 1000 ppm	67-64-1	185.0 68 Deg F	47.0
NORMAL BUTYL ACETATE OSHA PEL EXPOSURE LIMIT: 150 ppm ACGIH TLV EXPOSURE LIMIT: 150 ppm OTHER EXPOSURE LIMIT: N/A	123-86-4	10.0 68 Deg F	13.5
* XYLENE OSHA PEL EXPOSURE LIIMT: 100 ppm TWA ACGITH TLV EXPOSURE LIMIT: 100 ppm TWA OSHA STEL: 150 ppm	1330-20-7	5.1 68 Deg F	1.90
ETHYL ALCOHOL OSHA PEL EXPOSURE LIMIT: 1000 ppm ACGIH TLV EXPOSURE LIMIT: 1000 ppm OTHER EXPOSURE LIMIT: N/A	64-17-5	43.6 68 Deg F	1.5
METHYL ETHYL KETONE OSHA PEL EXPOSURE LIMIT: 200 ppm - TWA ACGIH TLV EXPOSURE LIMIT: 200 ppm - TWA OTHER EXPOSURE LIMIT: N/A	78-93-3	78 68 Deg F	1.5

\* Indicates this product contains EPCRA section 313 chemical(s) subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).  
This information must be included in all MSDS's that are copied and distributed for this material. WARNING: This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm.

WARNING: This product contains flammable solvent(s).

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 133 Deg F - 279 Deg F      SPECIFIC GRAVITY (H2O=1): .89  
VAPOR DENSITY: HEAVIER THAN AIR      EVAPORATION RATE: SLOWER THAN ETHER  
SOLUBILITY IN WATER: NEGLIGIBLE  
APPEARANCE AND ODOR: CLEAR LIQUID WITH ORGANIC SOLVENTS ODOR.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 25 Deg.F. METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY % OF VOLUME- LOWER: 1.0% UPPER: 19.0%

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILL: ELIMINATE ALL

SPECIAL FIRE FIGHTING PROCEDURES

WATER SPRAY MAY BE INEFFECTIVE, BUT MAY BE USED TO COOL CONTAINERS EXPOSED TO EXTREME HEAT. WEAR SELF-CONTAINED

WASTE DISPOSAL METHOD

HAZARDOUS WASTE REGULATIONS ARE NOT CONSISTENT THROUGHOUT THE COUNTRY (SOME WASTES ARE NOT HAZARDOUS WASTE UNDER FEDERAL

UNUSUAL FIRE AND EXPLOSION HAZARDS

NEVER PUSE SHOWN OR FOR CUP OR CUP ON NORTH ABSORBENT (AMENDMENT TO BE USED IN PRODUCTION) (EXEMPT FROM RESIDUE SCANNING)

OPERATIONS, ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS (TANK CARS AND TANK TRUCKS) SHOULD BE GROUNDED TO

DISPOSAL OF HAZARDOUS WASTE

PRECAUTIONS TO BE TAKEN IN HANDLING AND REPORTING DATA

STABILITY

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

HAZARDOUS POLYMERIZATION

SECTION VIII - HEALTH AND SAFETY DATA

HEALTH AND SAFETY DATA

SYMPTOMS AND SIGNS OF EXPOSURE

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

VENTILATION

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

PROTECTIVE GLOVES

EYE PROTECTION

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

HEALTH HAZARDS (ACUTE AND CHRONIC)

WORK/HYGIENIC PRACTICES

SECTION IX - DISCLAIMER

CARCINOGENICITY: NTP AND CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

CAUSE DERMATITIS - EYE CONTACT CAN CAUSE IRRITATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

IF ON SKIN: FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. IF ANY IRRITATION DEVELOPS SEEK MEDICAL ATTENTION. REMOVE

CONTAMINATED CLOTHING. LAUNDRY CLOTHING BEFORE REUSE. IF IN EYES: FLUSH WITH WATER WHILE HOLDING EYELIDS OPEN. IF

IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. FOR INHALATION, REMOVE TO FRESH AIR, AND IF NAUSEA OR DIZZINESS DEVELOPS,

SEEK MEDICAL ATTENTION. IF SWALLOWED DO NOT INDUCE VOMITTING (MATERIAL COMPONENTS PRESENT AN ASPIRATION HAZARD) PLACE

M A T E R I A L   S A F E T Y   D A T A   S H E E T

CVS-11 VINYL SANDING SEALER / UV

Page: 1  
3/18/2008

PRODUCT NAME: CVS-11 VINYL SANDING SEALER / UV  
PRODUCT CODE: 85-SS-111

HMIS CODES: H F R P  
2 3 1 H

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ACETONE OSHA PEL EXPOSURE LIMIT: 750 ppm - TWA ACGIH TLV EXPOSURE LIMIT: 750 ppm - TWA OSHA STEL : 1000 ppm	67-64-1	185.0    68 Deg F	47.0
NORMAL BUTYL ACETATE OSHA PEL EXPOSURE LIMIT: 150 ppm ACGIH TLV EXPOSURE LIMIT: 150 ppm OTHER EXPOSURE LIMIT: N/A	123-86-4	10.0    68 Deg F	13.5
* XYLENE OSHA PEL EXPOSURE LIIMT: 100 ppm TWA ACGITH TLV EXPOSURE LIMIT: 100 ppm TWA OSHA STEL: 150 ppm	1330-20-7	5.1    68 Deg F	1.90
ETHYL ALCOHOL OSHA PEL EXPOSURE LIMIT: 1000 ppm ACGIH TLV EXPOSURE LIMIT: 1000 ppm OTHER EXPOSURE LIMIT: N/A	64-17-5	43.6    68 Deg F	2.0
METHYL ETHYL KETONE OSHA PEL EXPOSURE LIMIT: 200 ppm - TWA ACGIH TLV EXPOSURE LIMIT: 200 ppm - TWA OTHER EXPOSURE LIMIT: N/A	78-93-3	78    68 Deg F	1.5

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS  
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BOILING RANGE: 133 Deg F - 279 Deg F      SPECIFIC GRAVITY (H2O=1): .89  
VAPOR DENSITY: HEAVIER THAN AIR      EVAPORATION RATE: SLOWER THAN ETHER  
SOLUBILITY IN WATER: NEGLIGIBLE  
APPEARANCE AND ODOR: CLEAR LIQUID WITH ORGANIC SOLVENTS ODOR.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT: 25 Deg.F. METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY % OF VOLUME- LOWER: 1.0% UPPER: 19.0%

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILL: ELIMINATE ALL

SPECIAL FIRE FIGHTING PROCEDURES

WATER SPRAY MAY BE INEFFECTIVE, BUT MAY BE USED TO COOL CONTAINERS EXPOSED TO EXTREME HEAT. WEAR SELF-CONTAINED

WASTE DISPOSAL METHOD

HAZARDOUS WASTE REGULATIONS ARE NOT CONSISTENT THROUGHOUT THE COUNTRY (SOME WASTES ARE NOT HAZARDOUS WASTE UNDER FEDERAL

UNUSUAL FIRE AND EXPLOSION HAZARDS

NEVER PUSE WS HUNG OR SORENGUPORCHHONNORTNABSORBENT (AMENCMBEETEBECNUGENPNDERS. (EXENTJBGOTRESIDUEFSMNYEBLONSIDBRDNG

HAZARDOUS WASTE REGULATIONS ARE NOT CONSISTENT THROUGHOUT THE COUNTRY (SOME WASTES ARE NOT HAZARDOUS WASTE UNDER FEDERAL

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HAZARDOUS WASTE REGULATIONS ARE NOT CONSISTENT THROUGHOUT THE COUNTRY (SOME WASTES ARE NOT HAZARDOUS WASTE UNDER FEDERAL

PRECAUTIONS TO BE TAKEN IN STORAGE AND REACTIVITY DATA

STABILITY ABOVE 120 DEG.F. DO NOT STORE OR USE NEAR HEAT, SPARKS, OPEN FLAMES, OR ANY SOURCE OF IGNITION.

CONDITIONS TO AVOID

ALL SOURCES OF IGNITION: HEAT, SPARKS, STATIC ELECTRICITY, OPEN FLAMES

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

HAZARDOUS POLYMERIZATION

AVOID CONTACT WITH: CONCENTRATED AMMONIUM HYDROXIDE VAPORS. DO NOT TAKE INTERNALLY. USE ONLY WITH ADEQUATE VENTILATION. DUST

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

SECTION VIII - HEALTH HAZARDS

HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE

INHALATION: IRRITATION OF THE RESPIRATORY TRACT. Prolonged or repeated exposure may cause chronic bronchitis and emphysema.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

VENTILATION

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

PROTECTIVE GLOVES

EYE PROTECTION

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

HEALTH HAZARDS (ACUTE AND CHRONIC)

WORK/HYGIENIC PRACTICES

CAUSE DERMATITIS. EYE CONTACT CAN CAUSE IRRITATION.

SECTION IX - DISCLAIMER

CARCINOGENICITY: NTP AND CARCINOGEN: NO. IARC MONOGRAPHS: NO. OSHA REGULATED: NO

HAZARDOUS WASTE REGULATIONS ARE NOT CONSISTENT THROUGHOUT THE COUNTRY (SOME WASTES ARE NOT HAZARDOUS WASTE UNDER FEDERAL

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PRODUCT NAME: CC-1 CONVERSION VARNISH CATALYST  
 PRODUCT CODE: 85-C1

HMIS CODES: H F R P  
 2 3 1 H

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: R. J. McGLENNON CO. INC.  
 ADDRESS : 198 UTAH ST.  
 SAN FRANCISCO, CA 94103

EMERGENCY PHONE : (800)424-9300      DATE REVISED : 07/27/98  
 INFORMATION PHONE : (415)552-0311      NAME OF PREPARER : J. Davis  
 DATE PRINTED : 3/18/2008

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		MM HG	@ TEMP	PERCENT
ISOPROPYL ALCOHOL	67-63-0	33.0	68 Deg F	60.0
OSHA PEL EXPOSURE LIMIT: 400 ppm				
ACGIH TLV EXPOSURE LIMIT: 400 ppm				
OTHER EXPOSURE LIMIT: N/A				

\* Indicates this product contains EPCRA section 313 chemical(s) subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

This information must be included in all MSDS's that are copied and distributed for this material.

WARNING: This product contains flammable solvent(s).

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 180 Deg F      SPECIFIC GRAVITY (H2O=1): .96  
 VAPOR DENSITY: HEAVIER THAN AIR      EVAPORATION RATE: SLOWER THAN ETHER  
 SOLUBILITY IN WATER: NEGLIGIBLE  
 APPEARANCE AND ODOR: CLEAR LIQUID WITH ORGANIC SOLVENTS ODOR.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 55 Deg.F.      METHOD USED: TCC  
 FLAMMABLE LIMITS IN AIR BY % OF VOLUME- LOWER: 2.0%    UPPER: 12.0%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL

**SPECIAL FIREFIGHTING PROCEDURES**

WATER SPRAY MAY BE INEFFECTIVE, BUT MAY BE USED TO COOL CONTAINERS EXPOSED TO EXTREME HEAT. WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN EXPLODE. DURING TRANSFER OPERATIONS, ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS (TANK CARS AND TANK TRUCKS) SHOULD BE GROUNDED TO DISSIPATE STATIC CHARGES. VAPORS ARE HEAVIER THAN AIR, AND CAN TRAVEL ALONG THE GROUND TO IGNITION SOURCES.

===== SECTION V - REACTIVITY DATA =====

**STABILITY**

STABLE UNDER NORMAL CONDITIONS



**CONDITIONS TO AVOID**

ALL SOURCES OF IGNITION: HEAT, SPARKS, STATIC ELECTRICITY, OPEN FLAMES

**INCOMPATIBILITY (MATERIALS TO AVOID)**

AVOID CONTACT WITH: STRONG OXIDIZING AGENTS

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

CARBON DIOXIDE, CARBON MONOXIDE, HYDROCARBON COMPOUNDS

**HAZARDOUS POLYMERIZATION**

WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

INHALATION: EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION. OTHER INHALATION SYMPTOMS CAN INCLUDE NAUSEA, DIZZINESS, HEADACHE.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SKIN: EXPOSURE CAUSES SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY DRY SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING, AND CRACKING. EYES: PRIMARY IRRITATION. SYMPTOMS INCLUDE STINGING, TEARING, REDNESS.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SKIN ABSORPTION IS POSSIBLE, AND MAY BE HARMFUL. BUT HARMFUL EFFECTS ARE NOT EXPECTED FROM INCIDENTAL CONTACT THROUGH NORMAL USE.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SWALLOWING IS HARMFUL. SYMPTOMS INCLUDE GASTROINTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA).

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

NONE KNOWN ON PRODUCT AS SUPPLIED

HOWEVER, OVER EXPOSURE TO SECTION II COMPONENTS CAN CAUSE DIZZINESS, NAUSEA OR HEADACHE. EXCESSIVE SKIN CONTACT CAN CAUSE DERMATITIS. EYE CONTACT CAN CAUSE IRRITATION.

**CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No**

THIS MATERIAL IS NOT EXPECTED TO BE CARCINOGENIC IN HUMANS BASED ON NEGATIVE EVIDENCE OF CARCINOGENICITY IN LABORATORY ANIMALS. THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA. SEE OTHER WARNINGS IN SECTION II

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

OVER EXPOSURE TO SECTION II COMPONENTS CAN AGGRAVATE PRE-EXISTING DISORDERS OF KIDNEYS, LIVER AND RESPIRATORY SYSTEM.

**EMERGENCY AND FIRST AID PROCEDURES**

IF ON SKIN: FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. IF ANY IRRITATION DEVELOPS SEEK MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING. LAUNDRY CLOTHING BEFORE REUSE. IF IN EYES: FLUSH WITH WATER WHILE HOLDING EYELIDS OPEN. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. FOR INHALATION, REMOVE TO FRESH AIR, AND IF NAUSEA OR DIZZINESS DEVELOPS, SEEK MEDICAL ATTENTION. IF SWALLOWED DO NOT INDUCE VOMITTING (MATERIAL COMPONENTS PRESENT AN ASPIRATION HAZARD) PLACE PERSON ON LEFT SIDE AND SEEK MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES, INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS), PREVENT SPREAD OF MATERIAL.

**WASTE DISPOSAL METHOD**

HAZARDOUS WASTE REGULATIONS ARE NOT CONSISTENT THROUGHOUT THE COUNTRY (SOME WASTES ARE NOT HAZARDOUS WASTE UNDER FEDERAL RULES, BUT THE SAME WASTE MAY BE DEFINED AS HAZARDOUS WASTE UNDER STATE RULES).

ANY SPILLS SHOULD BE SOAKED UP WITH INERT ABSORBANT AND COLLECTED IN CONTAINERS. PAINT BOOTH FILTERS MAY BE CONSIDERED HAZARDOUS.

CONTACT YOUR LOCAL HAZARDOUS WASTE AGENCY (WITH INFORMATION FROM THIS MSDS) FOR PROPER DISPOSAL INSTRUCTIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

DO NOT STORE ABOVE 120 DEG.F. DO NOT STORE OR USE NEAR HEAT, SPARKS, OPEN FLAMES, OR ANY SOURCE OF IGNITION.

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS EVEN WHEN EMPTIED-SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPORS, LIQUID, AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

**OTHER PRECAUTIONS**

AVOID SKIN AND EYE CONTACT. DO NOT BREATHE VAPORS. DO NOT TAKE INTERNALLY. USE ONLY WITH ADEQUATE VENTILATION. DUST FROM SANDING THE DRIED MATERIAL SHOULD BE TREATED AS NUISANCE DUST - THE USE OF A PARTICULATE DUST MASK IS RECOMMENDED. ALL PERSONS WHO USE THIS MATERIAL SHOULD READ AND UNDERSTAND ALL MANUFACTURERS' INSTRUCTIONS AND PRECAUTIONS PRIOR TO USE. THIS MATERIAL IS INTENDED FOR USE IN AN INDUSTRIAL ENVIRONMENT BY TRAINED PERSONNEL ONLY.

===== **SECTION VIII - CONTROL MEASURES** =====

**RESPIRATORY PROTECTION**

IF WORKPLACE EXPOSURE LIMITS(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION II), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (CHEMICAL TYPE WITH ORGANIC VAPOR CARTRIDGE) - CONSULT YOUR INDUSTRIAL HYGIENIST.

**VENTILATION**

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN ALL SECTION II COMPONENTS BELOW THEIR EXPOSURE LIMITS.

**PROTECTIVE GLOVES**

WEAR RESISTANT GLOVES (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER).

**EYE PROTECTION**

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

EYE BATH AND SAFETY SHOWER. TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING, GLOVES, AND BOOTS.

**WORK/HYGIENIC PRACTICES**

WASH HANDS PRIOR TO EATING. DO NOT SMOKE NEAR THIS PRODUCT.

===== **SECTION IX - DISCLAIMER** =====

THE INFORMATION IN THIS MSDS AND ENVIRONMENTAL DATA SHEET WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR COMPLETENESS. RECIPIENTS ARE ADVISED TO CONFIRM THE CURRENT ACCURACY IN ADVANCE OF NEEDS.