

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

F-232 WATER WHITE SEMI-GLOSS

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PRODUCT NAME: F-232 WATER WHITE SEMI-GLOSS  
PRODUCT CODE: 29-S-101

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 : 10/19/01  
INFORMATION PHONE : (415)552-0311      NAME OF PREPARER : J. Davis  
DATE PRINTED : 3/17/2008

===== 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 53.5
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 7.5
* # GLYCOL ETHER EB OSHA PEL EXPOSURE LIMIT: 25 ppm TWA ACGIH TLV EXPOSURE LIMIT: 25 ppm skin OSHA TWA EXPOSURE LIMIT: 240 mg/cu.m.	111-76-2	0.40	20 Deg C 4.85
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 3.5
ISOPROPYL ALCOHOL OSHA PEL EXPOSURE LIMIT: 400 ppm ACGIH TLV EXPOSURE LIMIT: 400 ppm OTHER EXPOSURE LIMIT: N/A	67-63-0	33.0	68 Deg F 3.5
* 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 3.25
ISOBUTYL ALCOHOL OSHA PEL EXPOSURE LIMIT: 50 ppm ACGIH TLV EXPOSURE LIMIT: 50 ppm OTHER EXPOSURE LIMIT: N/A	78-83-1	8.8	68 Deg F 1.0
METHYL AMYL KETONE OSHA PEL EXPOSURE LIMIT: 100 ppm - TWA ACGIH TLV EXPOSURE LIMIT: 50 ppm - TWA OTHER EXPOSURE LIMIT: N/A	110-43-0	2.14	68 Deg F 1.0

\* 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.

\*# Note for Glycol Ether EB - this solvent is no longer on the 40CFR63.112 HAPS list but it is EPCRA section 313 reportable

WARNING: This product contains flammable solvent(s).

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

BOILING RANGE: 133 Deg F - 336 Deg F      SPECIFIC GRAVITY (H2O=1): .88  
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: 15 Deg.F.      METHOD USED: SETAFLASH  
FLAMMABLE LIMITS IN AIR BY % OF VOLUME- LOWER: 1.0%    UPPER: 12.8%

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 See California 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 =====

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