

S A F E T Y D A T A S H E E T

QE-508 AQUATEK OMAHA ORANGE ENAMEL

===== SECTION I - IDENTIFICATION OF MATERIAL AND SUPPLIER =====

PRODUCT NAME: QE-508 AQUATEK OMAHA ORANGE ENAMEL
PRODUCT CODE: 55-2G-117

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

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INFORMATION PHONE : (415)552-0311
DATE PRINTED : 11/19/15

===== SECTION II - HAZARDOUS IDENTIFICATION =====

OSHA REGULATORY STATUS

ACUTE TOXICITY - ORAL CATEGORY 4 H302
ACUTE TOXICITY - INHALATION (VAPORS) CATEGORY 4 H332
MAY BE HARMFUL IF INCONTACT WITH SKIN CATEGORY 5 H313

LABEL ELEMENTS
- WARNING!

EMERGENCY OVERVIEW STATEMENTS

HAZARD STATEMENTS

HARMFUL IF SWALLOWED
HARMFUL IF INHALED
MAY BE HARMFUL IF INCONTACT WITH SKIN
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD

PRECAUTIONARY STATEMENTS - PREVENTION

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE
WEAR PORTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD
KEEP AWAY FROM FOOD AND DRINK
P264 WASH HANDS THOROUGHLY AFTER HANDLING
P270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT
P261 AVOID BREATHING DUST/FUME/GAS MIST/VAPORS/SPRAY
P271 USE ONLY OUTDOORS OR IN WELL VENTILATED AREA

PRECAUTIONARY STATEMENTS - RESPONSE

P301 P312 IF SWALLOWED: CALL A POISON CONTROL CENTER OR DOCTOR
P330 RINSE MOUTH
P331 DO NOT INDUCE VOMITING
P304 P340 P312 IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL POISON CONTROL CENTER OR MEDICAL DOCTOR IF INDIVIDUAL CONTINUES TO FEEL UNWELL
P302 P352 P312 MAY BE HARMFUL IF ONCTACT WITH SKIN: WASH AFFECTED AREAS WITH LARGE AMOUNT OF FRESH WATER. CALL POISON CONTROL CENTER OR DOCTOR IF INDIVIDUAL CONTINUEW TO FEEL UNWELL.

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PRECAUTIONARY STATEMENTS - STORAGE

STORE LOCKED UP.

PRECAUTIONARY STATEMENTS - DISPOSAL

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL AND NATIONAL REGULATIONS.

HAZARDS NOT OTHERWISE CLASSIFIED OTHER INFORMATION

NOT APPLICABLE

===== **SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS**=====

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT
* # GLYCOL ETHER EB	111-76-2	10.10
* SECONDARY BUTYL ALCOHOL	78-92-2	3.30
* Cobalt compound - constituent of drier	N096	.20

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

Note: This product contains a moderate level of water miscible co-solvents.

===== **SECTION IV - FIRST-AID MEASURES**=====

EYES: FLUSH GENTLY WITH WATER FOR 15 MINUTES, IF ANY IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
SKIN: WASH AFFECTED AREA WITH SOAP AND WATER, IF ANY IRRITATION DEVELOPS AND PERSISTS, SEEK MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR, IF DIZZINESS OR NAUSEA PERSISTS, SEEK MEDICAL ATTENTION.

===== **SECTION V - FIRE-FIGHTING MEASURES**=====

FLASH POINT: NONE **METHOD USED: N/A**
FLAMMABLE LIMITS IN AIR BY % OF VOLUME- LOWER: NONE **UPPER: NONE**

EXTINGUISHING MEDIA: FOAM, CO2, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES
PRODUCT AS SUPPLIED IS NON-FLAMMABLE. IN THE EVENT THIS MATERIAL IS INVOLVED IN A FIRE, WEAR SELF CONTAINED BREATHING APPARATUS, AND FULL PROTECTIVE EQUIPMENT.

UNUSUAL FIRE AND EXPLOSION HAZARDS
CLOSED CONTAINERS MAY EXPLODE FROM BUILD UP OF STEAM PRESSURE IF EXPOSED TO EXTREME HEAT OR FIRE. WATER STREAM MAY BE USED TO COOL CONTAINERS.

===== **SECTION VI - ACCIDENTAL RELEASE MEASURE**=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
SOAK UP WITH INERT ABSORBENT. DO NOT ALLOW MATERIAL TO ENTER DRAINS, SEWER SYSTEM. VENTILATE AREA.

===== SECTION VII - HANDLING AND STORAGE =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

USE ONLY WITH VENTILATION THAT KEEPS SECTION II COMPONENTS BELOW PERMISSABLE EXPOSURE LIMITS. KEEP CONTAINERS UPRIGHT AND SEALED. AVOID STORAGE ABOVE 120 Deg.F. KEEP FROM FREEZING.

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 - EXPOSURE CONTROLS/PERSONAL PROTECTION=====

EXPOSURE LIMITS ON

REPORTABLE COMPONENTS

CAS NUMBER

* # GLYCOL ETHER EB	111-76-2
OSHA PEL EXPOSURE LIMIT: 25 ppm TWA	
ACGIH TLV EXPOSURE LIMIT: 25 ppm skin	
OSHA TWA EXPOSURE LIMIT: 240 mg/cu.m.	
* SECONDARY BUTYL ALCOHOL	78-92-2
OSHA PEL EXPOSURE LIMIT: 150 ppm	
ACGIH TLV EXPOSURE LIMIT: 100 ppm	
OTHER EXPOSURE LIMIT: 100 ppm	
* Cobalt compound - constituent of drier	N096
OSHA PEL 0.1mg/cu.m. (as Co)	
ACGIH TLV 0.02 mg/cu.m. (as Co)	

RESPIRATORY PROTECTION

PROVIDE SUFFICIENT MECHANICAL (GENERAL OR LOCAL) VENTILATION TO KEEP SECTION III COMPONENTS BELOW THEIR EXPOSURE LIMITS. IF VENTILATION CANNOT KEEP SECTION III COMPONENTS BELOW THEIR EXPOSURE LIMITS, THEN A NIOSH/OSHA APPROVED MECHANICAL / CHEMICAL RESPIRATOR FOR USE WITH ORGANIC SOLVENTS MAY BE USED (CONSULT INDUSTRIAL HYGIENIST).

VENTILATION

SUFFICIENT TO KEEP SECTION III COMPONENTS BELOW THEIR EXPOSURE LIMITS

PROTECTIVE GLOVES

IMPERVIOUS GLOVES ARE RECOMMENDED (CONSULT INDUSTRIAL HYGIENIST).

EYE PROTECTION

SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED TO PREVENT CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

EYE WASH STATION. TO PREVENT REPEATED OR PROLONGED CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

WORK/HYGIENIC PRACTICES

WASH HANDS BEFORE EATING.

===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES =====

BOILING RANGE: 212 - 250 Deg F	SPECIFIC GRAVITY (H2O=1): 1.09
VAPOR DENSITY: HEAVIER THAN AIR	EVAPORATION RATE: SLOWER THAN ETHER
SOLUBILITY IN WATER: COMPLETE	
APPEARANCE AND ODOR: OPAQUE LIQUID WITH SLIGHT AMMONIA & GLYCOL ETHER ODOR	

REPORTABLE COMPONENTS

**CAS NUMBER VAPOR PRESSURE
MM HG @ TEMP**

* # GLYCOL ETHER EB	111-76-2	0.40	20 Deg C
* SECONDARY BUTYL ALCOHOL	78-92-2	12.5	68 Deg F

* Cobalt compound - constituent of drier

N096

NA

NA

===== SECTION X - STABILITY AND REACTIVITY =====

STABILITY

STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID

CONTAMINATION WITH ACIDIC MATERIALS, HEAT, DIRECT SUNLIGHT, STRONG OXIDIZING CONDITIONS, AND FREEZING CONDITIONS.

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG ACIDS AND BASES

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CARBON DIOXIDE, CARBON MONOXIDE, HYDROCARBON COMPOUNDS

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

===== SECTION XI - TOXICOLOGICAL INFORMATION =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NASAL AND RESPIRATORY IRRITATION, POSSIBLE DIZZINESS OR NAUSEA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYES: PRIMARY IRRITATION, TEARING AND REDNESS. SKIN: POSSIBLE IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MODERATE IRRITATION, REDNESS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SINGLE DOSE ORAL TOXICITY OF PRODUCT IS LOW.

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 DERMATITUS. 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. SUSPECTED OF CAUSING CANCER. SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

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

===== SECTION XII - ECOLOGICAL INFORMATION =====

ECOLOGICAL INFORMATION: NO RELEVANT DATA FOUND

MOBILITY IN SOIL: NO RELEVANT DATA FOUND

OTHER ADVERSE EFFECTS: NO RELEVANT DATA FOUND

===== SECTION XIII - DISPOSAL CONSIDERATION =====

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.

===== SECTION XIV - TRANSPORT INFORMATION =====

DOT / TDG / MEX
NOT REGULATED

IATA / IMDG / IMO
NOT REGULATED

===== SECTION XV - REGULATORY INFORMATION =====

SARA 313 REPORTABLE COMPONENTS CAN BE FOUND IN SECTION III COMPOSITION

SARA 313 HAZARDOUS CATEGORIZATION

ACUTE HEALTH HAZRD	NO
CHRONIC HEALTH HAZARD	YES
FIRE HAZARD	NO
SUDDEN RELEASE OF PRESSURE HAZRD	NO
REACTIVE HAZRD	NO

STATE REGULATIONS: CALIFORNIA PROPOSITION 65

WARNING: THIS MATERIAL CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 REQUIRES THAT CLEAR AND REASONABLE WARNING BE GIVEN PRIOR TO EXPOSING ANY PERSON TO THIS CHEMICAL

===== SECTION XVI - OTHER INFORMATION =====

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.