## SAFETY DATA SHEET

## **SECTION 1 - IDENTIFICATION**

PRODUCT NAME: POTASSIUM PERMANGANATE, AWWA **COMPANY:** 

> UNITED MINERAL & CHEMICAL CORPORATION 160 Chubb Ave, Ste. 206, Lyndhurst, NJ 07071

US D.O.T. / UN NAME: POTASSIUM PERMANGATE Tel: 201-507-3300 Fax: 201-507-1506

e-mail: inquiry@umccorp.com

**RECOMMENDED USES:** WATER TREATMENT, MUNICIPAL &

INDUSTRIAL WASTEWATER TREATMENT, OXIDIZER - FOR INDUSTRIAL USE ONLY

**EMERGENCY TELEPHONE NO.:** USA - CHEMTREC: 1-800-424-9300 Outside USA: +1 703-527-3887

#### **SECTION 2 – HAZARD IDENTIFICATION**



#### **GHS HAZARD CLASSIFICATION:**

**OXIDIZING SOLIDS, CATEGORY 2** ACUTE TOXIC, ORAL CATEGORY 4

SKIN CORROSION / IRRITATION, CATEGORY 1B

SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE, CATEGORY 1 (RESPIRATORY SYS.) SPECIFIC TARGET ORGAN TOXICITY, REPEATED EXPOSURE, CATEGORY 1 (RESPIRATORY

SYSTEM, CENTRAL NERVOUS SYSTEM)

HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD. CATEGORY 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD, CATEGORY 1

## **GHS LABEL ELEMENTS:**

SIGNAL WORD: DANGER

LABEL CODES / PICTOGRAMS: GHS03, GHS05, GHS07, GHS08, GHS09 HAZARD STATEMENTS: H272 MAY INTENSIFY FIRE; OXIDIZER

H302

HARMFUL IF SWALLOWED

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE CAUSES DAMAGE TO ORGANS - RESPIRATORY SYSTEM H370

CAUSES DAMAGE TO ORGANS - RESPIRATORY SYSTEM, H372 CENTRAL NERVOUS SYSTEM - THROUGH PROLONGED OR

REPEATED EXPOSURE

H400 VERY TOXIC TO AQUATIC LIFE

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS H410

#### PRECAUTIONARY STATEMENTS

PREVENTION: P210 **KEEP AWAY FROM HEAT** 

P220 KEEP/STORE AWAY FROM CLOTHING/COMBUSTIBLE MATERIALS P221 TAKE ANY PRECAUTION TO AVOID MIXING WITH COMBUSTIBLES

DO NOT BREATHE DUSTS OR MISTS P260

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

P264 WASH THOROUGHLY AFTER HANDLING

DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT P270

P273 AVOID RELEASE TO THE ENVIRONMENT

RESPONSE: P370+378: IN CASE OF FIRE: USE LARGE QUANTITY OF WATER TO EXTINGUISH.

P301+P330+P331+312: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. CALL A POISON

CENTER/DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

P303+P361+P353: IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING RINSE SKIN WITH WATER/SHOWER. P363: WASH CONTAMINATED CLOTHING BEFORE REUSE. P304+P340: IF INHALED: REMOVE PERSON/VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P310: IMMEDIATELY CALL A POISON CENTER/DOCTOR/PHYSICIAN P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE

CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. P307+P311: IF EXPOSED: CALL A POISON CENTER/DOCTOR/PHYSICIAN.

P391 COLLECT SPILLAGE.

STORAGE: P405: STORE LOCKED UP.

DISPOSAL: P501: DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH ALL LOCAL / REGIONAL /

NATIONAL / INTERNATIONAL REGULATIONS.

U.S. - HAZARDS NOT OTHERWISE CLASSIFIED / UN GHS - OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION: NONE KNOWN

#### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: COMPONENTS: CAS NO.

> POTASSIUM PERMANGANATE 7722-64-7 97 MINIMUM 1344-00-9 FREE-FLOW / ANTICAKING ADDITIVE <3

PERMANGANATE OF POTASH; CHAMELEON MINERAL; PERMANGANIC ACID, POTASSIUM SALT SYNONYMS:

INORGANIC MANGANESE COMPOUNDS; OXIDIZERS **CHEMICAL FAMILY:** 

#### **SECTION 4 - FIRST AID MEASURES**

FIRST AID RESPONSE FIRST AID RESPONDERS SHOULD WEAR PERSONAL PROTECTIVE EQUPMENT

SKIN: IF ON SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH PLENTY OF SOAP AND WATER.

IF IRRITATION OCCURS: GET IMMEDIATE MEDICAL ADVICE/ATTENTION. WASH CONTAMINATED CLOTHING

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BEFORE REUSE.

EYES: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR UP TO 15 MINUTES. REMOVE CONTACT LENSES IF

PRESENT AND EASY TO DO SO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS: GET IMMEDIATE

MEDICAL ADVICE/ATTENTION.

INHALATION: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR

BREATHING: CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

INGESTION: IF INGESTED: IF CONSCIOUS, IMMEDIATELY RINSE MOUTH. DRINK PLENTY OF WATER. DO NOT INDUCE

VOMITING (DUE TO RISK OF PERFORATION) CALL A POISON CENTER/DOCTOR/PHYSICIAN IMMEDIATELY.

NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS.

#### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

SKIN: CONTACT WITH DRY CRYSTALS OR CONCENTRATED SOLUTIONS ON SKIN CAN CAUSE REDNESS, SEVERE

BURNS, BROWN STAINS (DUE TO INSOLUBLE MANGANESE OXIDE), AND POSSIBLE HARDENING OF THE OUTER SKIN LAYER. DILUTED SOLUTIONS ARE ONLY MILDLY IRRITATING TO THE SKIN. REPEATED OR

PROLONGED SKIN CONTACT MAY CAUSE DEFATTING AND DERMATITIS.

EYES: CONTACT WITH EYES CAN CAUSE SEVERE IRRITATION, REDNESS, BLURRED VISION, POSSIBLE BURNS

AND PERMANENT DAMAGE.

INHALATION: INHALATION CAN IRRITATE RESPIRATORY TRACT, CAUSING COUGHING AND SHORTNESS OF BREATH.

DELAYED/CHRONIC: CHRONIC MANGANESE POISONING CAN RESULT FROM EXCESSIVE INHALATION

EXPOSURE TO MANGANESE DUST AND INVOLVES IMPAIRMENT OF THE CENTRAL NERVOUS SYSTEM.

EARLY SYMPTOMS INCLUDE SLUGGISHNESS, SLEEPINESS, AND WEAKNESS IN THE LEGS.

INGESTION: CAUSES SEVERE DISTRESS OF GASTROINTESTINAL SYSTEM WITH POSSIBLE BURNS, SHO

ESTION: CAUSES SEVERE DISTRESS OF GASTROINTESTINAL SYSTEM WITH POSSIBLE BURNS, SHOCK WITH FALL OF BLOOD PRESSURE. MAY BE FATAL. INGESTION OF CONCENTRATIONS UP TO 1% CAN CAUSE BURNING

OF THE THROAT, NAUSEA, VOMITING, ABDOMINAL PAIN; 2-3% CAUSES ANEMIA AND SWELLING OF THE

THROAT WITH POSSIBLE SUFFOCATION; 4-5% MAY CAUSE KIDNEY DAMAGE.

# INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

IF EXPOSED: CALL A POISON CENTER/DOCTOR/PHYSICIAN

## **SECTION 5 - FIRE FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA: WATER: (X-AS SPRAY/FOG) FOAM: () CO2: () DRY CHEMICAL: () EXTINGUISH WITH LARGE QUANTITIES OF WATER FROM A DISTANCE TO COOL DOWN

FLAMES AND SPRAY WATER TO CREATE BLANKET ON THE FIRE EXPOSED AREA. DO NOT ALLOW RUN-OFF TO ENTER SEWERS OR THE ENVIRONMENT. **DO NOT EXTINGUISH WITH** 

FOAM, CO<sub>2</sub>, OR HALOGENATED MATERIALS.

SPECIFIC HAZARDS IN CASE OF FIRE: PRODUCT IS NOT COMBUSTIBLE BUT IS A STRONG OXIDIZER. CONTACT WITH OXIDIZABLE

SUBSTANCES CAN CAUSE EXPLOSIVE AND / OR FLAMMABLE REACTIONS. THIS OXIDIZER INCREASES FLAMMABILITY OF COMBUSTIBLE MATERIALS. WATCH FOR RAPID BURNING AND

BE PREPARED TO RETREAT TO A SAFE DISTANCE. CORROSIVE / POISONOUS GASES/VAPORS CAN BE PRODUCED IN A FIRE INVOLVING THIS MATERIAL.

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTION FOR FIRE FIGHTERS:

PRECAUTION FOR FIRE FIGHTERS: CORROSIVE AND/OR POISONOUS GASES ARE PRODUCED IN A FIRE - WEAR A NIOSH

APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE DEMAND OR POSITIVE PRESSURE MODE AND FULL PROTECTIVE GEAR. CONTAINERS MAY EXPLODE IN FIRE. COOL FIRE EXPOSED CONTAINERS WITH FLOODING QUANTITIES OF WATER SPRAY. MOVE CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. NOTE - STRONG OXIDIZERS MAY EXPLODE AND DECOMPOSE SPONTANEOUSLY IF EXPOSED TO INTENSE HEAT, CONCENTRATED ACIDS, HYDROGEN PEROXIDE, REDUCING AGENTS OR ORGANIC SUBSTANCES. VIOLENT REACTION MAY OCCUR WITH FINELY DIVIDED AND READILY

OXIDIZABLE SUBSTANCES.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS: CLEAN SPILL PROMPTLY. VENTILATE AREA. ELIMINATE ALL SOURCES OF IGNITION. WEAR

FULL PROTECTIVE EQUIPMENT (SEE SECTION 8). AVOID CONTACT WITH SKIN & EYES. DO NOT INHALE DUSTS/MISTS/VAPORS. ISOLATE AREA WHERE SPILL OCCURRED. KEEP

COMBUSTIBLES AWAY FROM SPILL.

ENVIRONMENTAL PRECAUTIONS: DO NOT RELEASE TO DRAINS, SEWERS AND OTHER BODIES OF WATER.

METHODS AND MATERIAL FOR

CONTAINMENT AND CLEANING UP: USING NON-SPARKING UTENSILS, SCOOP OR SHOVEL UP SPILLED MATERIAL PLACE IN A

LABELED CONTAINER (PLASTIC OR METAL DRUM) FOR PROPER DISPOSAL. AVOID

GENERATING DUST. AVOID CONTACT WITH COMBUSTIBLE MATERIALS.

## **SECTION 7 - HANDLING & STORAGE**

PRECAUTIONS FOR SAFE HANDLING: USE IN WELL VENTILATED AREA TO MEET PERMISSIBLE EXPOSURE / TLV LIMITS (SEE SECTION 8). [P280] WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE PROTECTION (SEE SECTION 8). WEAR PROTECTIVE CLOTHING. [P264] WASH THOROUGHLY AFTER HANDLING. [P270] DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. DO NOT RE-USE CONTAMINATED CLOTHING.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: [P210]: KEEP AWAY FROM HEAT. [P220] KEEP/STORE AWAY FROM CLOTHING/COMBUSTIBLE MATERIALS. [P221] TAKE ANY PRECAUTION TO AVOID MIXING WITH COMBUSTIBLES. KEEP CONTAINER TIGHTLY CLOSED. AVOID CONTACT WITH INCOMPATIBLES (SEE SECTION 10).

#### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**CONTROL PARAMETERS:** 

EXPOSURE LIMITS: U.S. OSHA PEL: 5 mg/m3 OSHA CEILING LIMIT FOR MANGANESE AND INORGANIC COMPOUNDS, AS Mn

U.S. ACGIH TLV: 0.02 mg/m3 TWA FOR RESPIRABLE FRACTION AS Mn; 0.1 mg/m3 TWA INHALABLE AS Mn

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APPROPRIATE ENGINEERING CONTROLS: USE LOCAL/ MECHANICAL EXHAUST TO MAINTAIN AIR CONCENTRATIONS BELOW

OCCUPATIONAL EXPOSURE STANDARDS (SEE ABOVE)
PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATOR SUITABLE TO MEET PERMISSIBLE EXPOSURE LIMIT.

SEE U.S. OSHA RESPIRATORY STANDARD (20 CFR 1910.134).

HAND PROTECTION: USE CHEMICAL RESISTANT GLOVES (RUBBER OR PLASTIC)

EYE PROTECTION: SAFETY GOGGLES OR GLASSES WITH SIDE SHIELDS OR FULL FACE SHIELD; HAVE

ACCESS TO AN EYEWASH FOUNTAIN

OTHER PROTECTIVE EQUIPMENT: LABCOAT; COVERALLS TO PROTECT SKIN; ACCESS TO A SAFETY DRENCH SHOWER

## **SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: DARK PURPLE CRYSTALS FLAMMABLE LIMITS: LEL: (N/A) UEL: (N/A)

 ODOR :
 NO ODOR
 VAPOR PRESSURE (mm Hg) :

 ODOR THRESHOLD :
 N/A
 VAPOR DENSITY (AIR=1) :
 N/A

pH (% IN WATER): NOT KNOWN DENSITY (g/cm³): 2.703

MELTING POINT / FREEZING POINT (°C): >240°C; DECOMPOSES AT >150°C (302°F)

BOILING POINT (°C): N/A SOLUBILITY IN WATER (@20°C): SOLUBLE, 6.38g/100cc

FLASH POINT (°F): N/A PARTITION COEFFICIENT (n-OCTANOL/WATER): NOT KNOWN EVAPORATION RATE: N/A AUTO IGNITION TEMP. (°F): NOT KNOWN FLAMMABILITY: N/A DECOMPOSITION TEMP.: >150°C (302°F)

## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS

POSSIBLITY OF HAZARDOUS REACTIONS: POTASSIUM PERMANGANATE IS A STRONG OXIDIZER, SPONTANEOUSLY EXPLOSIVE OR

FLAMMABLE ON CONTACT WITH MANY INCOMPATIBLES (SEE BELOW). CONTACT WITH HYDROCHLORIC ACID WILL LIBERATE CHLORINE GAS. DO NOT MIX WITH

FORMALDEHYDE.

CONDITIONS TO AVOID: CONTACT WITH INCOMPATIBLE MATERIALS; EXCESSIVE HEAT (>150°C); PHYSICAL IMPACT

OR FRICTION

INCOMPATIBLE MATERIALS: AVOID CONTACT WITH ALCOHOLS, ARSENITES, IODIDES, ACIDS, FORMALDEHYDE, CHARCOAL, COMBUSTIBLE ORGANIC MATERIALS, FERROUS AND MERCUROUS SALTS,

CHARCOAL, COMBUSTIBLE ORGANIC MATERIALS, FERROUS AND MERCUROUS SALTS, HYPOPHOSPHITES, HYPOSULFITES, SULFITES, PEROXIDES, OXALATES, INORGANIC OXIDIZABLE MATERIALS, METAL POWDERS, WOOD, GLYCERINE, POLYPROPYLENE, AND

HEAT.

**HAZARDOUS DECOMPOSITION PRODUCTS:** TOXIC, CORROSIVE METAL FUMES OF  $K_2O$  MAY EVOLVE WHEN IN A FIRE

#### **SECTION 11 – TOXICOLOGICAL INFORMATION**

**POTENTIAL HEALTH EFFECTS:** 

ROUTES OF EXPOSURE: SKIN, EYES, INHALATION, INGESTION

SKIN: CONTACT WITH DRY CRYSTALS OR CONCENTRATED SOLUTIONS WILL IRRITATE AND ACT AS A

CORROSIVE, CAUSING BURNS TO SKIN AND BODY TISSUE ON CONTACT. CONTACT AREA WILL BE

STAINED BROWN AND THE OUTER LAYER OF SKIN WILL POSSIBLY HARDEN.

EYES: CONTACT WITH EYES CAN CAUSE SEVERE BURNS RESULTING IN EYE DAMAGE.

INHALATION: INHALATION OF DUST, MIST, OR SOLUTION SPRAY CAN IRRITATE NOSE, THROAT, AND RESPIRATORY

TRACT CAUSING COUGHING, CHEST TIGHTNESS, AND POSSIBLE DAMAGE TO THE RESPIRATORY SYSTEM. HIGH INHALATION EXPOSURES CAN CAUSE A BUILDUP OF FLUID IN THE LUNGS (PULMONARY EDEMA)

WHICH MAY RESULT IN DEATH...

INGESTION: INGESTION OF POWDER OR SOLUTION CAN CAUSE SEVERE IRRITATION OR BURNS TO MOUTH, THROAT,

ESOPHAGUS, AND STOMACH WITH DIFFICULTY IN BREATHING, NAUSEA, GASTROINTESTINAL EFFECTS, SHOCK WITH FALL OF BLOOD PRESSURE, POSSIBLE KIDNEY DAMAGE. EXPERIMENTAL REPRODUCTIVE

EFFECTS AND MUTATION DATA HAVE BEEN REPORTED IN LITERATURE.

CHRONIC:

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REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DEFATTING AND DERMATITIS. LONG TERM INHALATION OF MANGANESE DUSTS (USUALLY IN FORM OF MANGANESE OXIDES) MAY LEAD TO A HIGH INCIDENCE OF UPPER RESPIRATORY INFECTIONS, LUNG IRRITATION, AND POSSIBLE CENTRAL NERVOUS

SYSTEM DISORDERS WITH SYMPTOMS SIMULATING PARKINSON'S DISEASE.

**ACUTE TOXICITY:** ORAL LD $_{50}$ : 1090 mg/kg (RAT); 780 mg/kg MALE RAT; 525 mg/kg FEMALE RAT; ORAL-HUMAN

LDLo: 143 mg/kg - DATA BASED ON LITERATURE OR TESTING OF SIMILAR PRODUCT

SKIN CORROSION / IRRITATION: DATA IS NOT AVAILABLE BUT EXPECTED TO BE IRRITATING **SERIOUS EYE DAMAGE / IRRITATION:** DATA IS NOT AVAILABLE BUT EXPECTED TO BE IRRITATING

**RESPIRATORY OR SKIN SENSITIZATION:** DATA IS NOT AVAILABLE

> **GERM CELL MUTAGENICITY:** DATA IS NOT AVAILABLE

U.S. LISTED CARCINOGEN: NONE (X) **CARCINOGENICITY:** OTHER () OSHA () NTP () IARC ()

REPRODUCTIVE TOXICITY: NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY: SINGLE EXPOSURE - TEST DATA NOT AVAILABLE

REPEATED EXPOSURE - TEST DATA NOT AVAILABLE

DATA IS NOT AVAILABLE **ASPIRATION HAZARD:** INTERACTIVE EFFECTS: NO DATA AVAILBLE

#### **SECTION 12 - ECOLOGICAL INFORMATION**

ECOTOXICITY: DANGEROUS TO THE ENVIRONMENT. DO NOT RELEASE TO THE ENVIRONMENT OR WATERWAYS.

**TOXICITY - AQUATIC:** NO TEST DATA AVAILABLE. TESTING OF SIMILAR PRODUCTS FOUND IT TO BE VERY TOXIC

TO AQUATIC ORGANISMS: MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC

**ENVIRONMENT** 

**TOXICITY - TERRESTIAL:** NO TEST DATA AVAILABLE

NO TEST DATA AVAILABLE - PERMANGANATE IS EXPECTED TO HAVE A LOW ESTIMATED PERSISTANCE & DEGRADABILITY:

LIFETIME AS IT IS READILY CONVERTED TO INSOLUBLE MANGANESE OXIDE BY

**OXIDIZABLE MATERIALS** 

**BIOACCUMULATIVE POTENTIAL:** NO DATA AVAILABLE

> **MOBILITY IN SOIL:** NO TEST DATA AVAILABLE - MATERIAL SOLUBLE IN WATER

OTHER ADVERSE EFFECTS: NO DATA AVAILABLE

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

## **DISPOSAL METHODS:**

[P501]: DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, INTERNATIONAL DO NOT RELEASE TO THE ENVIRONMENT. DISPOSE OF IN SEALED CONTAINERS, USING A LICENSED REGULATIONS. CHEMICAL WASTE HAULER.

FOLLOW ALL LOCAL, STATE AND FEDERAL INFORMATION AND REGULATIONS

# **SECTION 14 – TRANSPORT INFORMATION**

BY ROAD OR RAIL - U.S. D.O.T. REGULATED: YES (X) NO () RQ: (100 LBS.\*)

IF REGULATED, UN PROPER SHIPPING NAME: POTASSIUM PERMANGANATE HAZARD CLASS: (5.1) UN IDENTIFICATION NO.: (UN1490) PACKING GROUP: (II) LABEL REQUIRED: (OXIDIZER)

U.S. LISTED MARINE POLLUTANT: YES () NO (X\*\*) SEVERE U.S. MARINÉ POLLUTANT: YES () NO(X)

EMERGENCY RESPONSE GUIDE NO.: (140)

INLAND B/L 25 KG DRUMS: UN1490, POTASSIUM PERMANGANATE, 5.1, PG II – OXIDIZER LABEL INLAND B/L 150 KG DRUMS: RQ, UN1490, POTASSIUM PERMANGANATE, 5.1, PG II - OXIDIZER LABEL

\* A SPILL/REALEASE OF THIS MATERIAL IS REPORTABLE UNDER CERCLA IN THE U.S.WHEN PACKAGED IN A DRUM SIZE THAT MEETS OR EXCEEDS THE REPORTABLE QUANTITY OF 100 LBS. OUR 25 KG DRUM IS NOT A REPORTABLE QUANTITY; OUR 150 KG DRUM IS A REPORTABLE QUANTITY.

\*\*NOTE - MATERIAL MAY BE LABELED BY THE FACTORY IN ACCORDANCE WITH UN GHS & EU CLP LABELING REQUIREMENTS AND CARRIES THE ADDITIONAL TRANSPORT LABEL OF MARINE POLLUTANT. THIS PRODUCT IS NOT CURRENTLY LISTED AS A MARINE POLLUTANT UNDER US DOT 49CFR172.101 APPENDIX B. THE MARINE POLLUTANT LABEL IS PERMITTED TO REMAIN ON THE DRUM UNDER 49CFR172.401(c)(5) AND APPENDIX B TO 49CFR172.101(4) IN TRANSPORT TO OUR CUSTOMERS.

YES (X) NO () BY SEA - IMDG REGULATED: STOWAGE CATEGORY D

BY AIR - IATA REGULATED: YES (X) NO () PKG INSTRUCTION NO.: 2.5kg LTD QTY-Y544; 5kg PASS.-558; 25kg CARGO-562

**SPECIAL PRECAUTIONS:** READ SDS AND EMERGENCY RESPONSE GUIDE / PROCEDURES BEFORE HANDLING

#### SECTION 15 - REGULATORY INFORMATION

WE CERTIFY THAT ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE TOXIC U.S. TSCA:

SUBSTANCES CONTROL ACT.

U.S. SARA TITLE III, SECT. 313: LISTED (X-AS MANGANESE COMPOUND) **NOT LISTED ()** 

RCRA#: (\*) U.S. RCRA HAZARDOUS WASTE: NO (\*) **YES (\*)** 

\* WASTE SHOULD BE TESTED TO SEE IF IT MEETS RCRA # D001 / D003 – UNLISTED HAZARDOUS WASTE

CHARACTERISTIC OF IGNITABILITY / REACTIVITY; NO SPECIFIC RCRA LISTING UNDER POTASSIUM

PERMANAGANATE

U.S. CERCLA: YES (X) **RQ (100 LBS.)** NO ()

U.S. DRUG ENFORCEMENT ADMINISTRATION: LIST II CHEMICAL - POTASSIUM PERMANGANATE - DEA CODE #6579

NOTE - THIS MATERIAL MAY NOT BE EXPORTED FROM THE U.S. WITHOUT PRIOR PROPER

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DEA FILING / PERMISSION

APPENDIX "A" LISTED CHEMICAL; SCREENING THRESHOLD QUANTITY (STQ) = 400 LBS. FOR **U.S. DEPARTMENT OF HOMELAND SECURITY:** 

COMPLIANCE WITH CHEMICAL FACILITY ANTI-TERRORISM STANDARDS (CFATS)

**REGULATIONS** 

**U.S. CALIFORNIA PROPOSITION 65 LISTED:** NO(X) YES ()

## **SECTION 16 – OTHER INFORMATION**

PREPARED BY: EHSA COORDINATOR / UNITED MINERAL & CHEMICAL CORP. **REVISION DATE:** DECEMBER 2, 2018

ABBREVIATIONS / ACRONYMS: N/A=NOT APPLICABLE; LEL=LOWER EXPLOSION LIMIT; UEL=UPPER EXPLOSION LIMIT;

PEL=PERMISSIBLE EXPOSURE LIMIT; TLV=THRESHOLD LIMIT VALUE; TWA=TIME WEIGHTED AVERAGE OVER 8 HOUR WORKDAY: LD50 OR LC50=LETHAL DOSE OR LETHAL CONCENTRATION THAT KILLS 50% OF DOSED GROUP; g=GRAM; kg=KILOGRAM; PPM=PARTS PER MILLION

IN ACCORDANCE WITH GOOD PRACTICES OF PERSONAL HYGIENE, HANDLE WITH DUE CARE AND AVOID ANY UNNECESSARY CONTACT

WITH THIS PRODUCT. USE RECOMMENDED PERSONAL PROTECTION WHEN HANDLING (SEE SECTION 8).

THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATION. THE INFORMATION IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATA, THE HAZARD CONNECTED WITH USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, IS MADE. UNITED MINERAL & CHEMICAL CORPORATION AND ITS SUPPLIERS ASSUME NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

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