



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

2493 WHITE ZONE MARKING PAINT

PRODUCT NAME: 2493 WHITE ZONE MARKING PAINT
PRODUCT CODE: 2493-5.

HMIS CODES: H F R P
2*3 0 X

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: RAE PRODUCTS & CHEMICALS CORPORATION
ADDRESS : 11638 S MAYFIELD AVENUE
: ALSIP, IL 60803

EMERGENCY PHONE : (800) 424-9300 DATE PRINTED : 5/14/2013
INFORMATION PHONE : (708) 396-1984 NAME OF PREPARER : TAI

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
* SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	12.00	68 deg F 14.04
* METHYL ETHYL KETONE OSHA PEL: 200, ACGIH TLV: 200	78-93-3	70	68 deg F 11.98
* TOLUENE OSHA PEL: 200, ACGIH TLV: 100	108-88-3	22	68 deg F 4
* HEPTANE	142-82-5	40	68 deg F 3

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
N/A

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 175 deg F - 249 deg F	SPECIFIC GRAVITY (H2O=1): 1.48
VAPOR DENSITY: Heavier than air	DENSITY: 12.29 lb/gl
SOLUBILITY IN WATER: None.	EVAPORATION RATE: Slower than ether
V.O.C.: 3.14 lb/gl	V.O.C.: 376 g/l
V.O.C. (-EXEMPT): 3.14 lb/gl	V.O.C. (-EXEMPT): 376 g/l
VOLATILE WEIGHT: 25.56%	VOLATILE VOLUME: 47.58%
APPEARANCE AND ODOR: Liquid-typical solvent odor.	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 20 deg F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0 UPPER: 10

EXTINGUISHING MEDIA:
Foam, alcohol foam, CO2, dry chemical, water fog and/or other.

SPECIAL FIREFIGHTING PROCEDURES:
Self-contained breathing apparatus with full face piece operated in pressure mode. During emergency conditions over exposure to decomposition products may cause immediate or delayed health hazards.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Vapors are heavier than air and may travel along the ground and be ignited by heat, open flame or other ignition sources. Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flames. Closed containers may explode when exposed to extreme heat.



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

STABILITY:

Stable

CONDITIONS TO AVOID:

Do not expose to high temperature or open ignition sources.

INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

May form toxic materials, carbon dioxide, carbon monoxide, various hydrocarbons, etc. upon thermal decomposition.

HAZARDOUS POLYMERIZATION:

Will not occur.

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

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Excessive inhalation of vapors can cause nasal and respiratory irritation, weakness, dizziness, fatigue, nausea, headache and possible unconsciousness and even asphyxiation.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. Can cause severe eye irritation, redness, tearing and blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Organic solvents are easily absorbed, drying of the skin, redness or dermatitis are signs of repeated or over exposure to their defatting action.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC):

****ACUTE****

EYES: Can cause severe irritation, redness, tearing & blurred vision.

SKIN: Can cause moderate irritation, defatting & dermatitis.

INHALATION: Can cause nasal & respiratory irritation. Aspiration into lungs can cause chemical pneumonitis which can be fatal.

****CHRONIC****

Prolonged or repeated exposure above TLV may result in permanent damage to the central nervous system, lung, eye, skin, liver, gastrointestinal tract, spleen, kidneys and blood.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known.

EMERGENCY AND FIRST AID PROCEDURES:



EYES: Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.
SKIN: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. INHALATION: Remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician.
INGESTION: Consult a physician or poison control center immediately. Treat symptomatically.

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

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

Evacuate all nonessential personnel. Remove all sources of ignition. Ventillate the area. Equip employees with appropriate protection equipment. Dike around spilled material. Cover spill with inert absorbent material. Use nonsparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with all local, state, or Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store or use near sources of high temperature, near fire or open flame, or other ignition sources. All equipment should be grounded and bonded to reduce static electricity hazard. Use non sparking tools.

OTHER PRECAUTIONS:

Do not take internally. Avoid prolonged or repeated exposure to levels above TLV. FOR CHEMICAL EMERGENCY--SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC-DAY OR NIGHT (800) 424-9300.

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

RESPIRATORY PROTECTION:

If TLV is exceeded use NIOSH/MSHA approved organic vapor and mist, supplied air or self contained breathing apparatus.

VENTILATION:

Use adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.

PROTECTIVE GLOVES:

Wear resistant gloves such as polyethylene.

EYE PROTECTION:

Chemical splash goggles or other OSHA permitted safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Wear impervious clothing. Eyewash stations.

WORK/HYGIENIC PRACTICES:

Wash hands before eating or using restrooms. Remove and wash contaminated clothing before reuse.

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

Data given in this MSDS is given in good faith and is accurate to the best of our knowledge. However, no warranty, expressed or implied, is given.