

# *Chem-Impex International Inc.*

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## SAFETY DATA SHEET

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### SECTION 1. CHEMICAL IDENTIFICATION

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|                                 |   |
|---------------------------------|---|
| CATALOG #:                      | 00312   |
| NAME:                           | Picric acid   |
| SYNONYMS:                       | 2,4,6-Trinitrophenol<br>2-Hydroxy-1,3,5-trinitrobenzene |
| 24 HOUR EMERGENCY<br>TELEPHONE: | (800) 535-5053(USA)<br>352-323-3500 (INTERNATIONAL)     |
| TO REQUEST AN MSDS:             | (800) 869-9290  |
| CUSTOMER<br>SERVICE:            | (630) 766-2112  |

### SECTION 2. HAZARDS IDENTIFICATION

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#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

FLAMMABLE SOLIDS (CATEGORY 1), H228  
ACUTE TOXICITY, ORAL (CATEGORY 3), H301  
ACUTE TOXICITY, INHALATION (CATEGORY 4), H332  
ACUTE TOXICITY, DERMAL (CATEGORY 3), H311

SKIN SENSITISATION (CATEGORY 1), H317

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS  
PICTOGRAM**



SIGNAL WORD DANGER

HAZARD STATEMENT(S)

H228 FLAMMABLE SOLID.  
H301 + H311 TOXIC IF SWALLOWED OR IN CONTACT WITH SKIN  
H317 MAY CAUSE AN ALLERGIC SKIN REACTION.  
H332 HARMFUL IF INHALED.

PRECAUTIONARY STATEMENT(S)

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING.  
P240 GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.  
P241 USE EXPLOSION-PROOF ELECTRICAL/ VENTILATING/ LIGHTING/ EQUIPMENT.  
P261 AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/ SPRAY.  
P264 WASH SKIN THOROUGHLY AFTER HANDLING.  
P270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.  
P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.  
P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.  
P280 WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE PROTECTION.  
P301 + P310 + P330 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN. RINSE MOUTH.  
P302 + P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.  
P302 + P352 + P312 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL.  
P304 + P340 + P312 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL.  
P333 + P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION.  
P361 REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.  
P363 WASH CONTAMINATED CLOTHING BEFORE REUSE.  
P370 + P378 IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL-RESISTANT FOAM FOR EXTINCTION.  
P405 STORE LOCKED UP.  
P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

**HAZARDS NOT  
OTHERWISE  
CLASSIFIED (HNOC)  
OR NOT COVERED  
BY GHS**

EXPLOSIVE WHEN DRY.

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### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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MF:  $C_6H_3N_3O_7$

MW: 229.11

CAS-NO. 88-89-1

PURITY:

#### **HAZARDOUS COMPONENTS**

| <b>COMPONENT</b>   | <b>CLASSIFICATION</b>   | <b>CONCENTRATION</b> |
|--------------------|---|----------------------|
| <b>PICRIC ACID</b> |   |                      |
|                    | EXPL. 1.1; ACUTE TOX. 3; SKIN SENS. 1; H201, H301 + H311 + H331, H317 | >= 70 - < 90 %       |

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

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

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#### **DESCRIPTION OF FIRST AID MEASURES**

**GENERAL ADVICE** CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. MOVE OUT OF DANGEROUS AREA.

**IF INHALED** IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.

**IN CASE OF SKIN CONTACT** WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A PHYSICIAN.

**IN CASE OF EYE CONTACT** FLUSH EYES WITH WATER AS A PRECAUTION.

**IF SWALLOWED** DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

|   |   |
|---|---|
| <b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED</b>                | THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11 |
| <b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b> | NO DATA AVAILABLE   |

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## **SECTION 5. FIRE AND EXPLOSION DATA**

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|  |  |
|--|--|
| <b>EXTINGUISHING MEDIA</b>                                   |  |
| <b>SUITABLE EXTINGUISHING MEDIA</b>                          | USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE. |
| <b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b> | CARBON OXIDES, NITROGEN OXIDES (NOX)                                     |
| <b>ADVICE FOR FIREFIGHTERS</b>                               | WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.   |
| <b>FURTHER INFORMATION</b>                                   | USE WATER SPRAY TO COOL UNOPENED CONTAINERS.                             |

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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|  |   |
|--|---|
| <b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES</b> | WEAR RESPIRATORY PROTECTION. AVOID DUST FORMATION. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. AVOID BREATHING DUST. FOR PERSONAL PROTECTION SEE SECTION 8.  |
| <b>ENVIRONMENTAL PRECAUTIONS</b>   | PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.  |
| <b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP</b>               | SWEEP UP AND SHOVEL. CONTAIN SPILLAGE, AND THEN COLLECT WITH AN ELECTRICALLY PROTECTED VACUUM CLEANER OR BY WET- BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE SECTION 13). KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL. CONTAIN SPILLAGE, PICK UP WITH AN ELECTRICALLY |

PROTECTED VACUUM CLEANER OR BY WET-BRUSHING AND TRANSFER TO A CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE SECTION 13).

**REFERENCE TO OTHER SECTIONS** FOR DISPOSAL SEE SECTION 13.

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## SECTION 7. HANDLING AND STORAGE

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**PRECAUTIONS FOR SAFE HANDLING** AVOID CONTACT WITH SKIN AND EYES. AVOID FORMATION OF DUST AND AEROSOLS. FURTHER PROCESSING OF SOLID MATERIALS MAY RESULT IN THE FORMATION OF COMBUSTIBLE DUSTS. THE POTENTIAL FOR COMBUSTIBLE DUST FORMATION SHOULD BE TAKEN INTO CONSIDERATION BEFORE ADDITIONAL PROCESSING OCCURS. PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED. KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING. TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE. FOR PRECAUTIONS SEE SECTION 2.2.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES** KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. KEEP WETTED WITH WATER. DO NOT ALLOW MATERIAL TO BECOME DRY. STORAGE CLASS (TRGS 510): FLAMMABLE SOLID HAZARDOUS MATERIALS

**SPECIFIC END USE(S)** APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### CONTROL PARAMETERS

#### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

| COMPONENT   | CAS-NO. | VALUE | CONTROL PARAMETERS | BASIS                                   |
|-------------|---------|-------|--------------------|---|
| PICRIC ACID | 88-89-1 | TWA   | 0.100000 MG/M3     | USA. ACGIH THRESHOLD LIMIT VALUES (TLV) |

|  |         |  |                |   |
|--|---------|--|----------------|---|
|  | REMARKS | EYE IRRITATION<br>DERMATITIS<br>SKIN SENSITIZATION                       |                |   |
|  |         | TWA  | 0.1 MG/M3      | USA. ACGIH<br>THRESHOLD<br>LIMIT VALUES<br>(TLV)  |
|  |         | EYE IRRITATION<br>DERMATITIS<br>SKIN SENSITIZATION                       |                |   |
|  |         | TWA  | 0.1 MG/M3      | USA.<br>OCCUPATIONAL<br>EXPOSURE<br>LIMITS<br>(OSHA) - TABLE<br>Z-1 LIMITS FOR<br>AIR<br>CONTAMINANTS |
|  |         | SKIN DESIGNATION   |                |   |
|  |         | TWA  | 0.100000 MG/M3 | USA.<br>OCCUPATIONAL<br>EXPOSURE<br>LIMITS<br>(OSHA) - TABLE<br>Z-1 LIMITS FOR<br>AIR<br>CONTAMINANTS |
|  |         | SKIN DESIGNATION   |                |   |
|  |         | TWA  | 0.100000 MG/M3 | USA. NIOSH<br>RECOMMENDED<br>EXPOSURE<br>LIMITS   |
|  |         | AN OSHA CLASS A EXPLOSIVE (1910.109).<br>POTENTIAL FOR DERMAL ABSORPTION |                |   |
|  |         | ST   | 0.300000 MG/M3 | USA. NIOSH<br>RECOMMENDED<br>EXPOSURE<br>LIMITS   |
|  |         | AN OSHA CLASS A EXPLOSIVE (1910.109).<br>POTENTIAL FOR DERMAL ABSORPTION |                |   |

**EXPOSURE CONTROLS**

**APPROPRIATE  
ENGINEERING  
CONTROLS**

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.  
WASH HANDS BEFORE BREAKS AND IMMEDIATELY  
AFTER HANDLING THE PRODUCT.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION**

FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT  
FOR EYE PROTECTION TESTED AND APPROVED UNDER  
APPROPRIATE GOVERNMENT STANDARDS SUCH AS  
NIOSH (US) OR EN 166(EU).

**SKIN PROTECTION**

HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.

**FULL CONTACT**

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.11 MM

BREAK THROUGH TIME: 480 MIN

MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)

**SPLASH CONTACT**

MATERIAL: NITRILE RUBBER

MINIMUM LAYER THICKNESS: 0.11 MM

BREAK THROUGH TIME: 480 MIN

MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)

IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.

**BODY PROTECTION**

COMPLETE SUIT PROTECTING AGAINST CHEMICALS, FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.

**RESPIRATORY PROTECTION**

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE PARTICLE RESPIRATOR TYPE N100 (US) OR TYPE P3 (EN 143) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

**CONTROL OF ENVIRONMENTAL EXPOSURE**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|  |  |
|--|--|
| APPEARANCE                                   | Moist yellow powder  |
| ODOUR  | NO DATA AVAILABLE  |
| ODOUR THRESHOLD                              | NO DATA AVAILABLE  |
| PH   | NO DATA AVAILABLE  |
| MELTING POINT/FREEZING POINT                 | 121 - 123 °C   |
| INITIAL BOILING POINT AND BOILING RANGE      |  |
| FLASH POINT                                  | 150 °C (Lit.)  |
| EVAPORATION RATE                             | NO DATA AVAILABLE  |
| FLAMMABILITY (SOLID, GAS)                    | THE SUBSTANCE OR MIXTURE IS A FLAMMABLE SOLID WITH THE CATEGORY 1. |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | NO DATA AVAILABLE  |
| VAPOUR PRESSURE                              | 1 HPA (1 MMHG) AT 195 C  |
| VAPOUR DENSITY                               | NO DATA AVAILABLE  |
| RELATIVE DENSITY                             | 1.80   |
| WATER SOLUBILITY                             | SOLUBLE  |
| PARTITION COEFFICIENT: N- OCTANOL/WATER      | LOG POW: 1.33  |
| AUTO-IGNITION TEMPERATURE                    | 300 C  |
| DECOMPOSITION TEMPERATURE                    | NO DATA AVAILABLE  |
| VISCOSITY                                    | NO DATA AVAILABLE  |
| EXPLOSIVE PROPERTIES                         | NO DATA AVAILABLE  |
| OXIDIZING PROPERTIES                         | NO DATA AVAILABLE  |
| <b>OTHER SAFETY INFORMATION</b>              | NO DATA AVAILABLE  |

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**SECTION 10. STABILITY AND REACTIVITY**

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|   |  |
|---|--|
| <b>REACTIVITY</b>                         | NO DATA AVAILABLE                            |
| <b>CHEMICAL STABILITY</b>                 | STABLE UNDER RECOMMENDED STORAGE CONDITIONS. |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | NO DATA AVAILABLE                            |



|   |   |
|---|---|
| <b>CONDITIONS TO AVOID</b>              | PICRIC ACID FORMS SALTS WITH MANY METALS SOME OF WHICH ARE RATHER SENSITIVE TO HEAT, FRICTION, OR IMPACT, E.G., LEAD, IRON, ZINC, NICKEL, COPPER, ETC., AND SHOULD BE CONSIDERED DANGEROUSLY SENSITIVE. THE SALTS FORMED WITH AMMONIA AND AMINES, AND THE MOLECULAR COMPLEXES WITH AROMATIC HYDROCARBONS, ETC, ARE IN GENERAL NOT SO SENSITIVE. CONTACT OF PICRIC ACID WITH CONCRETE FLOORS MAY FORM THE FRICTION-SENSITIVE CALCIUM SALT. DRY MIXTURES OF PICRIC ACID AND ALUMINUM POWDER ARE INERT, BUT THE ADDITION OF WATER CAUSES IGNITION AFTER A DELAY DEPENDENT UPON THE QUANTITY ADDED. STORAGE CONDITIONS: RECORDS OF PURCHASE DATES SHOULD BE MAINTAINED FOR EACH CONTAINER. MATERIAL OLDER THAN 2 YEARS SHOULD BE DISPOSED. INSPECT AND ADD WATER EVERY SIX MONTHS AS NEEDED. ROTATE CONTAINERS TO DISTRIBUTE WATER EVERY THREE MONTHS. HEAT, FLAMES AND SPARKS. |
| <b>INCOMPATIBLE MATERIALS</b>           | STRONG BASES, REDUCING AGENTS, HEAVY METALS, HEAVY METAL SALTS, AMMONIA   |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS</b> | OTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE<br>IN THE EVENT OF FIRE: SEE SECTION 5   |

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## SECTION 11. TOXICOLOGICAL INFORMATION

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### INFORMATION ON TOXICOLOGICAL EFFECTS

|  |   |
|--|---|
| <b>ACUTE TOXICITY</b>                    | NO DATA AVAILABLE   |
| <b>SKIN CORROSION/IRRITATION</b>         | NO DATA AVAILABLE   |
| <b>SERIOUS EYE DAMAGE/EYE IRRITATION</b> | NO DATA AVAILABLE   |
| <b>RESPIRATORY OR SKIN SENSITISATION</b> | NO DATA AVAILABLE   |
| <b>GERM CELL MUTAGENICITY</b>            | NO DATA AVAILABLE   |
| <b>CARCINOGENICITY</b><br>IARC:          | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC. |

ACGIH: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.

NTP: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

OSHA: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.

**REPRODUCTIVE TOXICITY** NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE** NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE** NO DATA AVAILABLE

**ASPIRATION HAZARD** NO DATA AVAILABLE

**ADDITIONAL INFORMATION** RTECS: NOT AVAILABLE  
 DISCOLORATION OF THE SKIN., PICRIC ACID DUST CAUSES SENSITIZATION DERMATITIS. THIS USUALLY OCCURS ON THE FACE, ESPECIALLY AROUND THE MOUTH AND THE SIDES OF THE NOSE; THE CONDITION PROGRESSES FROM EDEMA, THROUGH THE FORMATION OF PAPULES AND VESICLES, TO ULTIMATE DESQUAMATION. INHALATION OF HIGH CONCENTRATIONS OF DUST HAS CAUSED UNCONSCIOUSNESS, WEAKNESS, MUSCLE PAIN, AND KIDNEY PROBLEMS. SWALLOWING PICRIC ACID MAY CAUSE A BITTER TASTE, HEADACHE, DIZZINESS, NAUSEA, VOMITING, AND DIARRHEA. HIGH DOSES MAY CAUSE DESTRUCTION OF THE RED BLOOD CELLS AND DAMAGE TO THE KIDNEYS AND LIVER WITH BLOOD IN THE URINE.  
 STOMACH - IRREGULARITIES - BASED ON HUMAN EVIDENCE

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**SECTION 12. ECOLOGICAL INFORMATION**

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**TOXICITY** NO DATA AVAILABLE

|   |  |
|---|--|
| <b>PERSISTENCE AND DEGRADABILITY</b>      | NO DATA AVAILABLE  |
| <b>BIOACCUMULATIVE POTENTIAL</b>          | NO DATA AVAILABLE  |
| <b>MOBILITY IN SOIL</b>                   | NO DATA AVAILABLE  |
| <b>RESULTS OF PBT AND VPVB ASSESSMENT</b> | PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED |
| <b>OTHER ADVERSE EFFECTS</b>              | NO DATA AVAILABLE  |

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### SECTION 13. DISPOSAL CONSIDERATIONS

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#### WASTE TREATMENT METHODS

|                               |  |
|-------------------------------|--|
| <b>PRODUCT</b>                | BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. |
| <b>CONTAMINATED PACKAGING</b> | DISPOSE OF AS UNUSED PRODUCT.  |

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### SECTION 14. TRANSPORT INFORMATION

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|                           |                        |
|---------------------------|------------------------|
| <b>DOT (US)</b>           |                        |
| PROPER SHIPPING NAME:     | TRINITROPHENOL, WETTED |
| UN NUMBER:                | 1344                   |
| CLASS:                    | 4.1                    |
| PACKING GROUP:            | I                      |
| REPORTABLE QUANTITY (RQ): |                        |
| POISON INHALATION HAZARD: | NO                     |
| <b>IMDG</b>               |                        |
| PROPER SHIPPING NAME:     | TRINITROPHENOL, WETTED |

UN NUMBER: 1344  
CLASS: 4.1  
PACKING GROUP: I  
EMS-NO: F-B, S-J

**IATA**

PROPER SHIPPING NAME: TRINITROPHENOL, WETTED  
UN NUMBER: 1344  
CLASS: 4.1  
PACKING GROUP: I

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**SECTION 15. REGULATORY INFORMATION**

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**SARA 302 COMPONENTS** NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.

**SARA 313 COMPONENTS** THE FOLLOWING COMPONENTS ARE SUBJECT TO REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313:

|             | CAS-NO. | REVISION DATE |
|-------------|---------|---------------|
| Picric acid | 88-89-1 | 7/1/2007      |

**SARA 311/312 HAZARDS** ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

**MASSACHUSETTS RIGHT TO KNOW COMPONENTS**

|             | CAS-NO. | REVISION DATE |
|-------------|---------|---------------|
| Picric acid | 88-89-1 | 7/1/2007      |

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS**

|             | CAS-NO. | REVISION DATE |
|-------------|---------|---------------|
| Picric acid | 88-89-1 | 7/1/2007      |
| WATER       |         | 7732-18-5     |

**NEW JERSEY RIGHT TO KNOW COMPONENTS**

|             | CAS-NO. | REVISION DATE |
|-------------|---------|---------------|
| Picric acid | 88-89-1 | 7/1/2007      |
| WATER       |         | 7732-18-5     |

**CALIFORNIA PROP. 65 COMPONENTS** THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

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**SECTION 16. OTHER INFORMATION**

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**FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.**

|                    |  |
|--------------------|--|
| ACUTE TOX.         | ACUTE TOXICITY   |
| EXPL.              | EXPLOSIVES   |
| H201               | EXPLOSIVE; MASS EXPLOSION HAZARD.                      |
| H228               | FLAMMABLE SOLID.                                       |
| H301               | TOXIC IF SWALLOWED.                                    |
| H301 + H311 + H331 | TOXIC IF SWALLOWED, IN CONTACT WITH SKIN OR IF INHALED |
| H311               | TOXIC IN CONTACT WITH SKIN.                            |
| H317               | MAY CAUSE AN ALLERGIC SKIN REACTION.                   |
| H332               | HARMFUL IF INHALED.                                    |
| SKIN SENS.         | SKIN SENSITISATION                                     |

**HMIS RATING**

|                        |   |
|------------------------|---|
| HEALTH HAZARD:         | 2 |
| CHRONIC HEALTH HAZARD: | * |
| FLAMMABILITY:          | 4 |
| PHYSICAL HAZARD        | 4 |

**NFPA RATING**

|                    |   |
|--------------------|---|
| HEALTH HAZARD:     | 2 |
| FIRE HAZARD:       | 4 |
| REACTIVITY HAZARD: | 4 |
| HEALTH HAZARD:     | 2 |
| FIRE HAZARD:       | 1 |
| REACTIVITY HAZARD: | 0 |

**MSDS LEGEND**

|        |  |
|--------|--|
| MW:    | MOLECULAR WEIGHT   |
| MF:    | MOLECULAR FORMULA  |
| VOC:   | VOLATILE ORGANIC COMPOUNDS                               |
| ACGIH: | AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGINISTS |
| CAS:   | CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER                |
| OSHA:  | OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION            |
| PEL:   | PERMISSIBLE EXPOSURE LIMIT (OSHA)                        |
| TLV:   | THRESHOLD LIMIT VALUE (ACGIH)                            |

**IMPORTANT:**

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