

MSDS***Material Safety Data Sheet***

**1403 Herkimer Street
Joliet, IL 60432-1059
(877) EKI-CHEM
(815) 723-4000**

www.eki-chem.com

**24 HOUR EMERGENCY
TELEPHONE NUMBER
CALL CHEMTREC
1-800-424-9300**

Picric Acid Solution, Saturated

SECTION 1 PRODUCT IDENTIFICATION

NAME: Picric Acid Solution, Saturated
EKI PRODUCT CODE: 8539
SYNONYMS: N/A
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 11 May 2006

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

WARNING. CAUSES EYE IRRITATION. MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE ALLERGIC SKIN REACTION. Avoid contact with skin, eyes and clothing. Avoid breathing mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not allow to dry out completely.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT -----	CAS NO -----	OSHA PEL -----	ACGIH TLV -----
Picric Acid	88-89-1	0.1 mg/m3 TWA Skin	0.1 mg/m3 TWA

Picric Acid, ~12%, may be subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT: N/E
VAPOR PRESSURE: N/E	VAPOR DENSITY: N/E
SPECIFIC GRAVITY: N/E	MELTING POINT: N/E
EVAPORATION RATE: N/E	
APPEARANCE AND ODOR: Yellow liquid. Odorless.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT: None
FLAMMABLE LIMITS (UPPER AND LOWER): None
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Picric acid when dry is highly explosive as it is when combined with metals such as copper, lead, zinc, and iron. It will also react with

alkaline materials including plaster and concrete to form explosive materials. Prolonged storage at temperatures > 100F have been reported to result in a less stable crystalline form, which is orange in color. This material is very shock sensitive. Toxic gases and smoke will be given off during burning.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Evaporation to dryness, excessive heat.

MATERIALS TO AVOID: Heavy metals, alkali metal hydroxides and carbonates, alkalis.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO_x, NO_x

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: May cause irritation.

SKIN CONTACT: May cause irritation.

EYE CONTACT: Causes irritation.

INGESTION: May be harmful if swallowed.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/I

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYES: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get immediate medical attention.

SKIN: Immediately wash skin with plenty of soap and water. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give several glasses of water to drink. Get immediate medical attention.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Absorb with inert material and containerize for disposal. Maintain moisture in the waste storage container.

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal environmental regulations.

STORAGE: Store tightly closed at 15-30C.

SECTION 8 CONTROL MEASURES

VENTILATION: General

RESPIRATORY PROTECTION: If necessary, approved mist respirator.

EYE PROTECTION: Chemical splash safety goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat.

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