

MSDS

Material Safety Data Sheet



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Picric Acid Solution, 1% in Acetone

SECTION 1 PRODUCT IDENTIFICATION

NAME: Picric Acid Solution, 1% in Acetone
EKI ORDER NUMBER: 8541
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 30 April 2004

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

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION. Keep away from heat, sparks and flame. Keep container closed. Avoid contact with skin, eyes and clothing. Avoid breathing vapor. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
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Picric Acid/88-89-1	0.1 mg/m3 TWA Skin	0.1mg/m3 TWA
Acetone/67-64-1	1000 ppm TWA	500 ppm TWA 750 ppm STEL

Picric Acid, 1%, is subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible
VAPOR PRESSURE (mm Hg): N/E
SPECIFIC GRAVITY: N/E
EVAPORATION RATE: N/E
BOILING POINT: (C): N/E
VAPOR DENSITY: N/E
MELTING POINT: (C): N/E
APPEARANCE AND ODOR: Greenish-yellow liquid. Odor of acetone.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): N/E
AUTOIGNITION TEMPERATURE (C): N/E
FLAMMABLE LIMITS (%) UEL: N/E LEL: N/E
EXTINGUISHING MEDIA: Dry chemical, CO2, Halon, "alcohol" foam, water spray.
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: Cool fire-exposed containers with water spray. Vapors may ignite, flashback or explode.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sources of ignition.

MATERIALS TO AVOID: Strong acids, bases and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: May cause irritation.

SKIN CONTACT: May cause mild irritation.

EYE CONTACT: Causes severe irritation.

SKIN ABSORPTION: N/I

INGESTION: May cause digestive tract irritation, nausea, vomiting, nervous system depression.

CHRONIC: May cause permanent brain and nervous system damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin and respiratory conditions.

CARCINOGENICITY: None.

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes.

Get immediate medical attention.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

INGESTION: Do NOT induce vomiting. If vomiting occurs, keep head below hips. get medical attention if symptoms occur.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Remove sources of ignition. Absorb with inert material and containerize for disposal.

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

STORAGE: Store tightly closed in a approved flammable liquids storage area.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: If Airborne Exposure Limits are exceeded, wear a respirator operated in a positive pressure mode.

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

SKIN PROTECTION: Impervious gloves, lab coat and impervious apron.

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