

M S D S***Material Safety Data Sheet***

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Acetone**SECTION 1 PRODUCT IDENTIFICATION**

NAME: Acetone
EKI PRODUCT CODE: 1180, 1181, 1182
SYNONYMS: N/I
CAS NO: 67-64-1
FORMULA: (CH₃)₂CO
REVISION DATE: 13 November 2006

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

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

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
Acetone/67-64-1	1000 ppm TWA	500 ppm TWA 750 ppm STEL

SECTION 3 PHYSICAL PROPERTIES

SOLUBILITY IN WATER: Miscible
VAPOR PRESSURE (mm Hg): 186
SPECIFIC GRAVITY: 0.791
EVAPORATION RATE: 7.7
APPEARANCE AND ODOR: Clear, colorless liquid. Ketone odor.

BOILING POINT: (C): 56
VAPOR DENSITY: 2.1
MELTING POINT: (C): N/I

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): -20
AUTOIGNITION TEMPERATURE (C): 538
FLAMMABLE LIMITS (%) UEL: 13.2 LEL: 2.8
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. Can enter lungs and cause damage.
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 immediate medical attention.

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 an 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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