



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ISOPROPYL ALCOHOL
PRODUCT NUMBER: 3127
PRODUCT FAMILY: ALCOHOL SOLUTION
MANUFACTURER: KO MANUFACTURING, INC
 2720 E. DIVISION STREET
 SPRINGFIELD, MO 65803
 417-866-8000

DATE PREPARED: 1/2/2015
SUPERCEDED DATE: 5/1/2014

EMERGENCY CONTACT:
 CHEMTREC 800-424-9300

INFORMATION USE: COLD TEMPERATURE CLEANER

2. HAZARD IDENTIFICATION

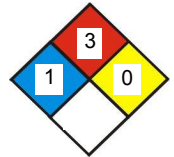
DOT HAZARD CLASSIFICATION: FLAMMABLE LIQUID

SIGNAL WORD: DANGER!

ROUTE OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INGESTION AND INHALATION

GHS HEALTH CLASSIFICATION: SERIOUS EYE DAMAGE/ EYE IRRITATION 1
 SKIN IRRITANT 2

NFPA



GHS LABEL ELEMENTS: H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P264 - Wash exposed skin thoroughly after handling.

P280 - Wear protective gloves/eye protection/face protection.

P313 - Get medical advice/attention.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call POISON CENTER or doctor/physician.

P332+ P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P370+P378 - In case of fire: Use dry chemical, foam or carbon dioxide for extinction.

P402+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of content/container in accordance with local/national regulations.

PICTOGRAMS



3.COMPOSITION IDENTIFICATION

INGREDIENTS:
 ISOPROPYL ALCOHOL
 WATER

C.A.S. NUMBER:
 67-63-0
 7732-18-5

PERCENT:
 <31.0%
 <80.0%

4. FIRST AID MEASURES

EYE CONTACT: RINSE WITH FRESH WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. CALL A PHYSICIAN IMMEDIATELY.

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4. FIRST AID MEASURES - CONTINUED

SKIN CONTACT: RINSE WITH PLENTY OF FRESH WATER AND REMOVE CONTAMINATED CLOTHING IMMEDIATELY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

INHALATION: IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A PHYSICIAN IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: FLAMMABLE - WILL IGNITE UNDER NORMAL TEMPERATURE CONDITIONS.

FLASH POINT: 84 F

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

UNSUITABLE EXTINGUISHING MEDIA: NOT ESTABLISHED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND MSHA/NIOSH APPROVED) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. SPILL AREA MAY BE SLIPPERY. WEAR PROPER PROTECTIVE EQUIPMENT WHEN DEALING WITH RELEASE.

ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL TO AVOID RELEASE TO THE ENVIRONMENT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

METHODS FOR CONTAINMENT AND CLEAN-UP: COLLECT LIQUID WITH AN INERT ABSORBENT AND TRANSFER TO CONTAINER FOR REUSE OR DISPOSAL. DIKE AND CONTAIN SPILL.

7. HANDLING AND STORAGE

HANDLING: AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. ALWAYS WEAR PROPER PROTECTIVE EQUIPMENT WHEN HANDLING.

STORAGE: AVOID RELEASE TO THE ENVIRONMENT. STORE IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. USE CARE WHEN HANDLING AND STORING.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE REQUIRED UNDER NORMAL USE.

EYE / FACE PROTECTION: CHEMICAL SAFETY GOGGLES AND FULL FACE SHIELD.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES AND IMPERVIOUS APRON AND BOOTS.

THRESHOLD LIMIT VALUE (TLV): ETHANOL, 1000 PPM

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID.

APPEARANCE: CLEAR LIQUID.

ODOR: SOLVENT SCENT.

BOILING POINT: NOT ESTABLISHED.

FREEZING POINT: <32 F

SPECIFIC GRAVITY: 0.95

pH (1%): 6.5-7.5

EVAPORATION RATE: LESS THAN 1.

FLASH POINT: 84 F

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: NOT ESTABLISHED.

UPPER FLAMMABLE/EXPLOSIVE LIMIT: NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED.

VISCOSITY: NOT ESTABLISHED.

REALITIVE DENSITY: 7.9 LBS./GL.

SOLUBILITY: SOLUBLE.

VAPOR PRESSURE: NOT ESTABLISHED.

VAPOR DENSITY: NOT ESTABLISHED.

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED.

PARTICAL COEFFICIENT: NOT ESTABLISHED.
N-OCTANOL/WATER

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10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE.

CONDITIONS TO AVOID: NO UNUSUAL CONDITIONS.

INCOMPATIBLE MATERIALS: SOFT METALS AND ACIDIC COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND DIOXIDE FROM THERMAL DECOMPOSITION.

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION/CORROSION: IRRITANT TO EYES AND SKIN

EFFECTS OF SHORT-TERM EXPOSURE: IRRITATION OR BURNS TO EYES, SKIN AND MOUTH.

INGESTION: MAY CAUSE IRRITATION TO MOUTH, THROAT AND STOMACH.

LD-50: NOT ESTABLISHED.

12. ECOLOGICAL IDENTIFICATION

ECOTOXICITY: NOT ESTABLISHED.

PERSISTENCE AND DEGRADABILITY: BIODEGRADABLE.

BIOACCUMULATION/ACCUMULATION: NOT ESTABLISHED.

13. DISPOSAL CONDITIONS

THIS MATERIAL WHEN DISCARDED IS A HAZARDOUS WASTE DEFINED BY 40 CFR 261. MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION

GROUND SHIPPING INFORMATION:

UN1219, ISOPROPANOL, 3, PGIII, LTD QTY

WATER SHIPPING INFORMATION:

UN1219, ISOPROPANOL, 3, PGIII

AIR SHIPPING INFORMATION:

UN1219, ISOPROPANOL, 3, PGIII

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) ALL COMPONENTS LISTED ON TSCA INVENTORY.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

313 REPORTABLE INGREDIENTS

CAS NUMBER:

PERCENT:

NONE.

STATE REGULATIONS: CALIFORNIA PROPOSITION 65 -THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS CURRENTLY LISTED.

INTERNATIONAL REGULATIONS: CLASS B FLAMMABLE UNDER CANADIAN WHMIS

SECTION 15 NOTES: NONE.

16. OTHER INFORMATION

PHONE NUMBER: 417-866-8000

DATE OF PREPARATION: 1/2/2015

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