

M S D S

Material Safety Data Sheet



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Iodine Solution, Lugol's

SECTION 1 PRODUCT INFORMATION

NAME: Iodine Solution, Lugol's
EKI ORDER NUMBERS: 6051, 6054
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: April 23, 2004

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

DANGER! HARMFUL IF SWALLOWED. CAUSES EYE BURNS. CAUSES SKIN AND RESPIRATORY TRACT IRRITATION. VAPOR CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. Do not get in eyes, on skin, on clothing. Do not breathe vapor or mist. Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling. NOT FOR FOOD OR DRUG USE. USE OF THIS PRODUCT ON HUMANS EITHER INTERNALLY OR EXTERNALLY IS DANGEROUS AND A VIOLATION OF FEDERAL LAW (CFR 21, 201.128)

SECTION 2 HAZARDOUS INGREDIENTS / COMPOSITION INFORMATION

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
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Iodine/7553-56-2	0.1 ppm CEIL	0.1 ppm CEIL
Potassium Iodide/7681-11-0	N/E	N/E

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

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

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not combustible
AUTOIGNITION TEMPERATURE (C): Does not apply
FLAMMABLE LIMITS (%) UEL: Does not apply LEL: Does not apply
EXTINGUISHING MEDIA: Suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

SECTION 5 REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat
MATERIALS TO AVOID: N/I
HAZARDOUS DECOMPOSITION PRODUCTS: Iodine vapor.
HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE
INHALATION: Causes irritation of mucous membranes and respiratory tract.
SKIN CONTACT: Causes irritation.
EYE CONTACT: Causes burns or severe irritation.
SKIN ABSORPTION: N/I
INGESTION: Causes burns or severe irritation.
CHRONIC: Symptoms similar to above. Allergic sensitization, headache, fever, sneezing, salivation, skin rashes.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin and eye disorders, impaired respiratory function, thyroid, lung or kidney disease.
CARCINOGENICITY: None

****FIRST AID PROCEDURES****

GET IMMEDIATE MEDICAL ATTENTION

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally.
SKIN CONTACT: Immediately wipe off excess and flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
INGESTION: If conscious, induce vomiting immediately as directed by medical personnel.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area, 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 cool place, out of direct sunlight.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.
RESPIRATORY PROTECTION: Full face piece supplied air respirator breathing apparatus.
EYE PROTECTION: Chemical splash safety goggles and/or full face shield.
SKIN PROTECTION: Gloves, lab coat and impervious apron.

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