

MSDS**Material Safety Data Sheet****JorVet™**

Jorgensen Laboratories, Inc.
1450 North Van Buren Avenue
Loveland, CO 80538

2.1% Iodine Stain

Product Codes: J325FM
Effective Date: January 1, 2008
24 Hour Emergency Telephone:
CMB: (800)535-5053

All non-emergency questions may be directed to customer service @ (970)669-2500 or fax (970)663-5042

HAZARDOUS IDENTIFICATION

Hazardous Ingredient: Iodine, 2.1%

Synonyms: iodine crystals, iodine sublimed

CAS #: 7553-56-2

Molecular Weight: 253.81

Chemical Formula: I₂

Hazardous Ingredient: Potassium Iodide, 5%

Synonyms: potide, hydroic acid (potassium salt), iodic acid (potassium salt)

CAS #: 7681-11-0

Molecular Weight: 166.0

Chemical Formula: KI

EMERGENCY OVERVIEW

POISON! MAY BE FATAL IF SWALLOWED. MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. LIQUID AND VAPOR CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS THE CARDIOVASCULAR AND CENTRAL NERVOUS SYSTEM. MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION. May stain skin and clothing.

SAFETY RATINGS:

Health: 2, Moderate

Reactivity: 0, None

Flammability: 0, None

Contact: 1, Slight

Protective Equipment:

Safety Glasses or Goggles, Lab Coat or Apron, Gloves.

Storage Code:

Green: Minimal Hazard.

POTENTIAL HEALTH EFFECTS**INHALATION:**

May cause irritation.

INGESTION:

May be fatal. May cause nausea, vomiting, abdominal pain and diarrhea.

SKIN CONTACT:

May cause irritation.

EYE CONTACT:

May cause irritation, redness or burns.

CHRONIC EXPOSURE:

No information available.

AGGRAVATION of PRE-EXISTING CONDITIONS:

No information available.

FIRST AID MEASURES**INHALATION:**

Remove to fresh air if effects occur. Get medical advice.

INGESTION:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT:

Wash with mild soap and water. Get medical advice if irritation develops.

EYE CONTACT:

Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical advice if irritation develops.

FIRE FIGHTING MEASURES

FIRE:

Not considered to be a fire hazard.

EXPLOSION:

Not considered to be an explosion hazard.

FIRE EXTINGUISHING MEDIA:

Use any means suitable for extinguishing surrounding fire.

SPECIAL INFORMATION:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

NFPA RATINGS: Health: 0 Flammability: 0 Reactivity: 0

ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment as specified in the Personal Protection Section. Collect liquid in an appropriate container or absorb with a paper towel for proper disposal. Wash area with soap and water.

HANDLING AND STORAGE

Store in a cool, dry, ventilated area away from flame, sources of ignition and heat. Keep containers tightly closed and upright. Protect from physical damage. Keep out of direct sunlight and separate from incompatible materials. Storage and use areas should be non-smoking.

PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

None established.

VENTILATION SYSTEM:

In general, dilution ventilation is a satisfactory health hazard control for this substance.

PERSONAL RESPIRATORS (NIOSH) APPROVED:

No information available.

SKIN PROTECTION:

Wear protective clothing, gloves, lab coat or apron, as appropriate, to prevent skin contact.

EYE PROTECTION:

Use chemical safety glasses or goggles. Maintain eye wash fountain in work area.

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---------------------------|
| APPEARANCE: | Dark Liquid. |
| ODOR: | Characteristic odor. |
| SOLUBILITY: | Miscible with water. |
| SPECIFIC GRAVITY: | No information available. |
| pH: | No information available. |
| % VOLATILES by VOLUME: | No information available. |
| BOILING POINT: | No information available. |
| MELTING POINT: | No information available. |
| VAPOR DENSITY (Air =1): | No information available. |
| VAPOR PRESSURE (mm Hg): | No information available. |
| EVAPORATION RATE (BuAc=1): | No information available. |

STABILITY AND REACTIVITY

STABILITY:

Stable under ordinary conditions of use and storage.

HAZARDOUS DECOMPOSITION PRODUCTS:

No information available.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

Ammonia, powdered metals, alkali metals, or strong reducing agents. Reaction can be violent or explosive with acetaldehyde and acetylene. Reacts with ammonium hydroxide to form shock sensitive iodides on drying.

CONDITIONS to AVOID:

Heat, sunlight, poor ventilation and incompatibles.

TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

Iodine: Oral rat LD50: 14 g/kg; Human LDLo: 28 mg/kg. Investigated as a reproductive effector.
Potassium Iodide: Investigated as a mutagen, reproductive effector.

ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY:

No information available.

DISPOSAL INFORMATION

Dispose of container and unused contents in accordance with federal, state and local requirements. State and local disposal regulation may differ from federal disposal regulations.

OTHER INFORMATION

TRANSPORT (Land, DOT):

Not regulated.

PRODUCT USE:

Laboratory Reagent.

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