HealthLink®
A Family of Medical Products
Joining Forces to Serve the Healthcare Community

CLOROX HEALTHCARE®

Safety Data Sheet

Iodine Be Gone, IBG

Revision Date: 06/04/15

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: IBG, Iodine Be Gone
Product code: 400222, 400223

Supplier: HealthLink, Inc
3611 St Johns Bluff Road, Suite 1
Jacksonville, FL 32224
800-638-2625
Monday-Friday: 8:00 -5:00 PM

Synonym: None.
Material uses: Laboratory Reagent.
Validation date: 01/13/2014
In case of emergency: 800-424-9300 CHEMTREC (USA)
24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview

Target Organs: Central nervous system, blood, liver, kidneys, and heart

GHS Labeling, Pictograms



Signal word: Danger!

Hazard statement(s):
H225: Highly flammable liquid and vapor (Cat 2)
H303: May be harmful if swallowed (Cat 5)
H315: Causes skin irritation (Cat 2)
H320: Causes eye irritation (Cat 2B)
H336: May causes drowsiness or dizziness (Cat 2)

Precautionary statement(s):
P305+351+338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P220: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260: Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P262: Wash … thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection

OSHA Hazards

Flammable liquid, Target Organ effect, Irritant

GHS Classification
Flammable liquids (Category 2)
Eye irritation (Category 2A)
Skin irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)

NFPA
Health Hazard: 1
Fire: 3
Reactivity: 0

HMIS Classification
Health Hazard: 1
Flammability: 3
Physical hazards: 0

Potential Health Effects
Inhalation - Harmful if inhaled. Causes respiratory tract irritation.
Skin - Harmful if absorbed through skin. Causes skin irritation.
Eyes - Causes eye irritation.
Ingestion - Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% v/v
Acetone	67-64-4	< 6
Isopropanol	666-52-4	<45
Sodium Thiosulfate	10102-17-7	< 3
Water	7732-18-5	Balance

4. FIRST AID MEASURES

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flammability of the product: Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Extinguishing media: Use dry chemical, CO_2, water spray (fog) or foam.

Not suitable: Do not use water jet.

Special exposure hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Hazardous thermal decomposition products: Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

7. HANDLING AND STORAGE

Handling: Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use empty containers to retain product, residue can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container, protected from direct sunlight. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Ingredient	Exposure limits
Acetone	**ACGIH (United States, 1996).**
	STEL: 1782 mg/m^3 15 minute(s).
	TWA: 1188 mg/m^3 8 hour(s).
	OSHA (United States, 1989).
	STEL: 2400 mg/m^3 15 minute(s).
	TWA: 1800 mg/m^3 8 hour(s).
	ACGIH TLV (United States, 3/2012).
	TWA: 500 ppm 8 hour(s).
	TWA: 1188 mg/m^3 8 hour(s).
	STEL: 750 ppm 15 minute(s).
	STEL: 1782 mg/m^3 15 minute(s).
	OSHA PEL 1989 (United States, 3/1989).

TWA: 750 ppm 8 hour(s).
TWA: 1800 mg/m^3 8 hour(s).
STEL: 1000 ppm 15 minute(s).
STEL: 2400 mg/m^3 15 minute(s).
NIOSH REL (United States, 1/2013).
TWA: 250 ppm 10 hour(s).
TWA: 590 mg/m^3 10 hour(s).
OSHA PEL (United States, 6/2010).
TWA: 1000 ppm 8 hour(s).
TWA: 2400 mg/m^3 8 hour(s).

Engineering measures: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Recommended: neoprene

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Recommended: splash goggles

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Recommended: lab coat

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.	**Color:**	Clear
Flash Point:	45°F	**Odor:**	Sweet
pH:	Not available.	**Boiling/condensation point:**	60°F
Melting/freezing point:	Not available.	**Relative density:**	Not available.
Vapor pressure:	Not available.	**Vapor density:**	~1.6
Odor threshold:	Not available.	**Evaporation rate:**	>1
VOC:	Not available.		
Solubility:	Soluble in the following materials: water		

10. STABILITY AND REACTIVITY

Chemical stability: The product is stable under recommended storage conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Materials to avoid: Highly reactive or incompatible with the following materials: oxidizing materials. Reactive or incompatible with the following materials: reducing materials, metals, halogenated compounds and acids.

Hazardous decomposition Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under fire conditions, oxides of carbon

Conditions of reactivity: Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts and oxidizing materials. Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts and oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure: Skin, Eyes, and Respiratory Tract

Acute toxicity

Oral LD50

Rat, 5,840 mg/kg

Inhalation LC50

6 h, vapor, rat >10,000 ppm

Dermal LD50

Rabbit .12,800 mg/kg

Other information on acute toxicity

no data available

Ingestion: No known significant effects or critical hazards except possibly in laboratory animals.

Skin: No known significant effects or critical hazards except possibly in laboratory animals.

Inhalation: No known significant effects or critical hazards except possibly in laboratory animals.

Eye Contact: No known significant effects or critical hazards except possibly in laboratory animals.

Carcinogenicity: IARC, not classifiable as to humans (Phenol). NTP, No component of this product at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen. OSHA, No component of this product at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen

Mutagenicity: No known significant effects or critical hazards except possibly in laboratory animals.

Teratogenicity: No known significant effects or critical hazards except possibly in laboratory animals.

Reproductive: No known significant effects or critical hazards except possibly in laboratory animals.

Signs and Symptoms of Exposure

Warning: contains methanol. May be fatal or cause blindness if swallowed. Cannot be made nonpoisonous. Effects Due to ingestion may include:, Gastrointestinal disturbance, Headache, Nausea, Vomiting, Dizziness, Weakness, Confusion, Drowsiness, Unconsciousness. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Toxicity
Material is practically non-toxic to aquatic organisms on an acute basis
Persistence and degradability
Readily biodegradable (77% in 10 days)
Bioaccumulative potential
Bioconcentration factor (BCF) of 3.16
Mobility in soil
no data available
PBT and vPvB assessment
no data available
Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 1219
Class: 3
Packing group: II
Proper shipping name:
Marine pollutant: No
Poison Inhalation Hazard: No
IMDG
UN number: 1219
Class: 3
Packing group: II
EMS-No: F-E, S-D
Proper shipping name:
Marine pollutant: No
IATA
UN number: 1219
Class: 3
Packing group: II
Proper shipping name:
Marine pollutant: No

15. REGULATORY INFORMATION

United States
HCS Classification: Flammable liquid, highly toxic material, Irritating material, target organ effects

U.S. Federal regulations: **TSCA 8(a) IUR** :Partial Exemption
United States Inventory (TSCA 8b): TSCA (Toxic Substance Control Act): This product is listed on the TSCA Inventory.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Acetone
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Immediate (acute) health hazard; Fire hazard, Immediate (acute) Health hazard, Delayed (chronic) health hazard; Fire hazard, Immediate (acute)

Health hazard, Delayed (chronic) health hazard

Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

DEA List I & II Chemicals (Precursor Chemicals): Not listed

RTK: Acetone, CAS 67-64-1, CN, MA, MN, NJ, PA, RI

SARA 313 IPA is subject to the reporting requirements of this section listed in 40 CFR 372.

Supplier notification:
SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Spill: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed:
Minnesota Hazardous Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Hazardous Substances: The following components are listed:
New York Toxic Chemical Release Reporting: None of the components are listed.
New York Acutely Hazardous Substances: The following components are listed:
Pennsylvania RTK Hazardous Substances: The following components are listed:
Rhode Island Hazardous Substances: None of the components are listed.
California Prop. 65 None of the components are listed

CANADA
WHMIS (Canada): Class B-2: Flammable liquid.
Class D-1B: NA
Class D-2A: NA
Class D-2B: NA

Canadian lists:
CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: The following components are listed:
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

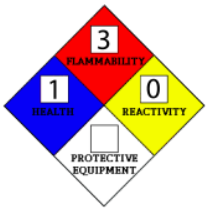
CEPA DSL / CEPA NDSL: All components are listed or exempted.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations
International lists:
Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



Notice to reader
The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Healthlink shall not be liable for any damage resulting from handling of contact with this product.