

BLEACH REAGENT #1

Product: R-0664

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Supplier: Lowry & Associates, div. of Chem-Aquascience, Inc
Canadian Master Distributors for Taylor Technologies, Inc.
4-1151 Gorham Street
Newmarket, ON.
L3Y 8Y1
Tel: 905-836-0505
Fax: 905-895-4539.

Emergency Phone Number: Canutec 613-996-6666.
905-625-9117 (Monday - Friday 9 a.m. - 4 p.m.).

Manufacturer: Taylor Technologies Inc.
31 Loveton Circle
Sparks, MD USA 21152
Tel: 410-472-4340.

TDG classification: Not regulated.

WHMIS classification:

D2B



DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
497-19-8	< 1	SODIUM CARBONATE	NOT AVAILABLE	4090 MG/KG RAT ORAL 6600 MG/KG MOUSE ORAL	2300 MG/M3/2H RAT INHALATION 1200 MG/M3/2H MOUSE INHALATION
7681-11-0	< 40	POTASSIUM IODIDE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 7681-11-0 LD50 1862 mg/kg mouse oral.
This product contains water (CAS # 7732-18-5).

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Clear, colourless.
No apparent odor.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 17

Vapour density (air=1): 0.65

Volatiles (%)

By volume: 80

**Evaporation rate
(butyl acetate = 1):** Not available.

Boiling point (°C): 212°F (100°C)

Freezing point (°C): Not available.

pH: 9.1

Specific gravity @ 20 °C: 1.07

Solubility in water (%): Soluble.

Coefficient of water\oil dist.: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Suitable for surrounding fire.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature (°C): Not available.

Flash point (°C), method: Not applicable.

**Lower flammability
limit (% vol):** Not applicable.

**Upper flammability
limit (% vol):** Not applicable.

Explosion Data

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Iodine fumes.

Explosive power: Not available.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: Extreme temperatures.
Extreme heat.

Hazardous polymerization: Not available.

Incompatible substances: Acids
Oxidizers.

**Hazardous decomposition
products:** See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Ingestion and skin contact.

Effects of acute exposure

Eye contact: Irritant.

Skin contact: May cause dermatitis.
Irritant.

Inhalation: No adverse effects expected.

Ingestion: Irritant.
May cause gastro-intestinal irritation.

Effects of chronic exposure: Pre-existing eye and skin disorders may be aggravated by exposure to this product.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available.

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Wear protective gloves.

Respiratory/Type: None required under normal use.



NIOSH approved respirator, if necessary.

Eye/Type:



Safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type:



Lab coat.

- Other/Type:** Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.
- Ventilation requirements:** Provide sufficient mechanical ventilation to maintain exposure below TLV.
- Leak/Spill:** Absorb with inert material.
Wear appropriate protective equipment.
Place in a closed container for disposal.
- Waste disposal:** In accordance with municipal, provincial and federal regulations.
- Handling procedures and equipment:** Avoid breathing vapors/mists.
Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.
Do not ingest.
- Storage requirements:** Keep out of direct sunlight.
Store in a cool and dry place.
- Special shipping information:** See transportation information.

Section 8: FIRST AID MEASURES

- Skin contact:** Wash thoroughly with soap and water.
Seek medical attention immediately.
- Eye contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.
- Inhalation:** No first aid should be needed.
If breathing is difficult get medical attention.
- Ingestion:** Obtain immediate medical attention.
Induce vomiting as directed by medical personnel.
If conscious, give several glasses of water.
Never give anything by mouth to an unconscious person.
- Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

- General note:** This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.
- Data prepared by:** Lowry & Associates, div. of Chem–Aquascience, Inc
Canadian Master Distributors for Taylor Technologies, Inc.
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- Supplier MSDS date:** 2009/08/19

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