

CITY AND COUNTY OF HONOLULU HONOLULU FIRE DEPARTMENT

The Honolulu Fire Department exemption list was reviewed and concurred by the Environmental Council on June 30, 2015. The exemption list falls under the Exemption Class #10. The attached, Salt Away safety data sheet, was submitted in the Environmental Notice.

Exemption Class #10

Continue administrative activities, including but not limited to, purchasing supplies and personnel-related actions

1. Helicopter Training (Air 1 and Air 2)
 - a. Occurs islandwide and up to three miles offshore.
 - b. Are conducted at parks, fields, and other landing zones in the mountains. A Land Use Permit is obtained prior to conducting such drills.
 - c. Training with Rescue companies is ongoing to maintain proficiency in helicopter operations.
 - d. Includes refueling the aircraft
2. Driver training/improvement (fire trucks) training occurs islandwide, usually within each fire station's administrative area or at the Charles H. Thurston Fire Training Center (Training Center). Fire truck operators are mandated to log a minimum of one hour drive time per month to maintain proficiency.
3. Extrication Drills (fire trucks)
 - a. Vehicles/Equipment
 - (1) Occurs mainly at the Training Center
 - (2) Salvage vehicles are towed to the Training Center and cut to simulate vehicle rescues and practice emergency extrication techniques.
 - (3) Extrication techniques do not compromise the integrity of the engine, transmission, or radiator.
 - (4) Generators are used to run extrication and hydraulic rescue tool equipment.
 - b. Structures

- (1) Conducted mainly at the Training Center and occasionally at Bellows Air Force Base
 - (2) Wood, cement blocks, and nails are used to simulate a collapsed building.
 - (3) To simulate breaking into a wall, pneumatic and gas powered tools are used on cement blocks. Props are available and reusable, and no clean-up is required.
- c. Pneumatic and hydraulic rescue tools are used during vehicle and structural extrication training.
 - (1) Pneumatic tools are usually used for extrication.
 - (2) Hydraulic rescue tools are used in operations that involve lifting.
4. Gas-powered hand tool training (fire trucks) is conducted at fire stations, the Training Center, Bellows Air Force Base, and open lots.
 - a. Fire stations are issued chainsaws, rotary saws, ventilation saws, and other gas-powered equipment and tools.
 - b. Field personnel maintain proficiency in operating these devices via maintenance checks and simulated evolutions.
5. Fire pump training (fire trucks with fire pumps) occurs islandwide, usually at fire stations, the Training Center, the HFD Waipahu Maintenance Facility (WMF), or at city parks. Companies must complete at least one of the following water drills a month:
 - a. Water training
 - b. Foam training
 - c. Aerial ladder operations
 - d. High-rise drill
6. All-Terrain Vehicles (ATV)

ATV training is being developed.
7. Fire hose deployment training occurs at fire stations, the Training Center, parks, or open fields.

- a. Dry hose deployment from the fire trucks
- b. Dry hose deployment and hook up to fire hydrants

8. Ocean Training

- a. Rescue watercraft (RWC) training occurs islandwide and up to three miles offshore.
 - (1) The RWC is washed down and the motor is flushed at the fire stations and the boat ramp after each drill.
 - (2) Training conducted at RWC stations three times a month.
- b. Rescue boat training (R1 and R2) occurs islandwide and up to three miles offshore.
 - (1) The boat is washed down at the boat ramp.
 - (2) The motor is flushed with Salt Away (see attached Safety Data Sheet) after each drill.

9. Hazmat Team Training

- a. If training is conducted away from the Training Center, a decontamination unit using water is set up.
- b. At an incident where soap is used, a contractor will remove the contaminated water.

10. Self-Contained Underwater Breathing Apparatus Training

Gear is washed down with water at fire stations and the boat ramp.

Safety Data Sheet (SDS)

United States OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 05/16/2014

Reviewed on 05/16/2014

* 1 Identification

- **Product identifier**
- **Trade name: Salt-Away**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Salt-Away Products, Inc. www.SaltAwayProducts.com
 3633 West MacArthur Boulevard, Suite 412
 Santa Ana, CA 92704
 1-714-550-0987 (Product Information)
 1-714-550-7787 (Fax)
- **Emergency telephone number:**
 +1-714-550-0987 - Monday - Friday, Hours: 8:00 a.m. - 5:00 p.m. United States Pacific Time. General Information, Transportation Emergencies
 +1-714-552-4771 - Daily, 24 hours. Medical Emergencies. United States, Pacific Time.

* 2 Hazard(s) identification

- **Classification of the substance or mixture**
 The product is not classified according to the Globally Harmonized System (GHS).
- **Hazard description:** Odorless
- **Information concerning particular hazards for human and environment:**
 Not applicable.
 The product does not have to be labeled due to the calculation procedure of international guidelines.
- **Classification system:**
 The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **Label elements**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



* 3 Composition/information on ingredients

	Non-Hazardous Surface Active Agents	5-10%
65997-01-5	Corrosion Inhibitor	5-10%
	Non-Hazardous Coupling Agents	5-10%
7732-18-5	water, distilled, conductivity or of similar purity	70-90%

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 2)



Safety Data Sheet (SDS)

United States OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 05/16/2014

Reviewed on 05/16/2014

Trade name: Salt-Away

(Contd. of page 1)

- **Dangerous components:** Non-Regulated Material

* 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Not a normal route of entry.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Can cause irritation of the gastrointestinal tract.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.

(Contd. on page 3)



Safety Data Sheet (SDS)

United States OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 05/16/2014

Reviewed on 05/16/2014

Trade name: Salt-Away

(Contd. of page 2)

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Liquid
 - **Color:** Blue
- **Odor:** Odorless
- **Odor threshold:** Not determined.
- **pH-value @ 20 °C (68 °F):** 6.2
- **Change in condition**
 - **Melting point/Melting range:** --
 - **Boiling point/Boiling range:** 100 °C (212 °F)
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
 - **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** 0.0 Vol %
 - **Upper:** 0.0 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)
- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Solvent content:**
 - **Organic solvents:** 0.0 %

(Contd. on page 4)



Safety Data Sheet (SDS)

United States OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 05/16/2014

Reviewed on 05/16/2014

Trade name: Salt-Away

(Contd. of page 3)

- **Water:** 73.0 %
- **VOC content:** 27.0 %
- **Other information** No further relevant information available.

* 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· NTP (National Toxicology Program)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

* 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

(Contd. on page 5)



Safety Data Sheet (SDS)

United States OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 05/16/2014

Reviewed on 05/16/2014

Trade name: Salt-Away

(Contd. of page 4)

* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **ADN** Not relevant
- **UN proper shipping name** Not Regulated for Transportation
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **DOT, ADR, IMDG, IATA**
- **Class** Non-Regulated Material
- **ADN/R Class:** Not relevant
- **Packing group**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

65997-01-5 Corrosion Inhibitor

94277-77-7 Blue Dye

7732-18-5 water, distilled, conductivity or of similar purity

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

(Contd. on page 6)

**Safety Data Sheet (SDS)**

United States OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 05/16/2014

Reviewed on 05/16/2014

Trade name: Salt-Away

(Contd. of page 5)

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Non-Regulated Material· **Hazard pictograms** Non-Regulated Material· **Signal word** Non-Regulated Material· **Hazard statements** Non-Regulated Material· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **State Right to Know**

	Non-Hazardous Surface Active Agents	5-10%
65997-01-5	Corrosion Inhibitor	5-10%
	Non-Hazardous Coupling Agents	5-10%
94277-77-7	Blue Dye	≤ 2.5%
7732-18-5	water, distilled, conductivity or of similar purity	70-90%
All ingredients are listed.		

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

Date of preparation: 23.03.2013

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 05/16/2014 / 2· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

· *** Data compared to the previous version altered.**SDS / MSDS Created by MSDS Authoring Services (www.MSDSAuthoring.com)