# **SAFETY DATA SHEET**

Issuing Date 18-Apr-2015 Revision Date 18-Apr-2015 **Revision Number 1** 

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### **GHS** product identifier

**Product Name** ARREX-100

Other means of identification

Product Code(s) **ARREX** 

**UN-Number** UN1760

**Synonyms** ARREX

### Recommended use of the chemical and restrictions on use

**Recommended Use** Institutional disinfectant

Uses advised against No information available

### Supplier's details

### **Supplier Address**

Envirochem, Inc 425 Whitehead Ave South River, NJ 08882

TEL: 732-238-6700

### **Emergency telephone number**

**Emergency Telephone** CHEM-TEL, INC.

24 Hour Emergency Contact 1-800-255-3924 Number

### 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 1 Subcategory 1B
Serious Eye Damage/Eye Irritation	Category 1

#### Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

**Emergency Overview** 

Signal Word None

The product contains no substances which at their given concentration are considered to be hazardous to health Appearance GREEN

Physical State Liquid.

Odor No information available

### **Precautionary Statements**

Prevention

• None

**General Advice** 

• None

Storage

• None

**Disposal** 

• None

**Hazard Not Otherwise Classified (HNOC)** 

Not applicable

#### Inhalation

• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### Ingestion

• IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

#### **Storage**

· Store locked up

#### **Disposal**

• Dispose of contents/container to an approved waste disposal plant

### **Hazard Not Otherwise Classified (HNOC)**

Not applicable

#### Other information

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms ARREX

Chemical Name	CAS-No	Weight %	Trade secret
Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	85409-23-0	3 -7	*
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	3 -7	*

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

### **Description of necessary first-aid measures**

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Immediate medical attention is required.

**Skin Contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated

clothing before re-use. Immediate medical attention is required.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion** Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an

unconscious person. Immediate medical attention is required.

#### Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None

### **Specific Hazards Arising from the Chemical**

No information available

**Explosion Data** 

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin.

eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material

can cause surfaces to become very slippery.

**Environmental Precautions** 

**Environmental Precautions**Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up

Methods for Containment Stop leak if you can do it without risk

Methods for Cleaning Up Large spillage: Contain spilled material if possible. Wash away small spills with plenty of

water.

### 7. HANDLING AND STORAGE

Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing

vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using

this product. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room

temperature. Keep from freezing. Keep container closed when not in use.

**Incompatible Products** Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters** 

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

**Appropriate engineering controls** 

Engineering Measures Showers

Eyewash stations Ventilation systems

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles.

Skin and Body Protection

Rubber boots. Apron. Rubber gloves. Latex gloves

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid Appearance Clear

Odor No information available Odor Threshold No information available

\_\_\_\_\_\_

**Property** <u>Values</u> Remarks/ - Method 7.5 None known На Melting Point/Range No data available None known **Boiling Point/Boiling Range** > 100 °C /> 212 °F None known Flash Point No data available None known **Evaporation rate** No data available None known Flammability (solid, gas) No data available None known Flammability Limits in Air upper flammability limit No data available

lower flammability limit No data available **Vapor Pressure** No data available None known **Vapor Density** No data available None known **Relative Density** No data available None known **Specific Gravity** 1.22 None known **Water Solubility** 100% None known No data available Solubility in other solvents None known Partition coefficient: n-octanol/waterNo data available None known **Autoignition Temperature** No data available None known **Decomposition Temperature** No data available None known **Viscosity** None known 5 cps

Flammable Properties Not flammable

Explosive Properties No data available Oxidizing Properties No data available

Other information

VOC Content (%) No data available

### 10. STABILITY AND REACTIVITY

#### Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal processing.

#### Conditions to avoid

Incompatible products.

### **Incompatible materials**

Strong oxidizing agents.

#### **Hazardous decomposition products**

None known based on information supplied.

#### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

**Product Information** 

Inhalation May cause irritation of respiratory tract.

Causes serious eye damage. **Eve Contact Skin Contact** Causes severe skin burns. Ingestion May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Alkyl Dimethyl Benzyl Ammonium	= 240 mg/kg (Rat)	-	-
Chloride			

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available. **Mutagenic Effects** No information available.

Carcinogenicity Contains no ingredient listed as a carcinogen.

**Reproductive Toxicity** No information available. STOT - single exposure No information available. STOT - repeated exposure No information available. **Aspiration Hazard** No information available.

#### Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 4800 mg/kg; Acute toxicity estimate

### 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Alkyl Dimethyl Benzyl		LC50 96 h: 0.223 - 0.46		
Ammonium Chloride		mg/L static (Lepomis		
		macrochirus) LC50 96 h:		
		0.823 - 1.61 mg/L static		
		(Oncorhynchus mykiss)		
		LC50 96 h: = 2.4 mg/L semi-		
		static (Oryzias latipes) LC50		
		96 h: = 1.3 mg/L semi-static		
		(Poecilia reticulata)		

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

## **Other Adverse Effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

DOT

UN-Number UN1760

**Proper shipping name** Corrosive liquids, n.o.s.

154

Hazard Class 8
Packing Group III

**Description** UN1760, Corrosive liquids, n.o.s. (Quarternary Ammonium Chloride), 8, III

**Emergency Response Guide** 

Number

**TDG** 

UN1760

Proper Shipping Name Corrosive liquid, n.o.s.

Hazard Class 8
Packing Group III

**Description** UN1760, Corrosive liquid, n.o.s. (Quarternary Ammonium Chloride), 8, III

UN-Number UN1760

**Proper Shipping Name** Corrosive liquid, n.o.s.

Hazard Class 8
Packing Group III

**Description** UN1760, Corrosive liquid, n.o.s. (Quarternary Ammonium Chloride), 8, III

**ICAO** 

UN1760

**Proper shipping name** Corrosive liquid, n.o.s.

Hazard Class 8
Packing Group |||

**Description** UN1760, Corrosive liquid, n.o.s., 8, III

**IATA** 

**UN-Number** UN1760

Proper Shipping Name Corrosive liquid, n.o.s.

Hazard Class 8
Packing Group III
ERG Code 8L

**Description** UN1760, Corrosive liquid, n.o.s. (Quarternary Ammonium Chloride), 8, III

IMDG/IMO

UN-Number UN1760

**Proper Shipping Name** Corrosive liquid, n.o.s.

Hazard Class 8
Packing Group III
EmS No. F-A, S-B

**Description** UN1760, Corrosive liquid, n.o.s. (Quarternary Ammonium Chloride), 8, III

RID

**UN-Number** UN1760

Proper Shipping Name Corrosive liquid, n.o.s.

Hazard Class8Packing GroupIIIClassification CodeC9

**Description** UN1760, Corrosive liquid, n.o.s. (Quarternary Ammonium Chloride), 8, III

**ADR** 

UN-Number UN1760

**Proper Shipping Name** Corrosive liquid, n.o.s.

Hazard Class 8
Packing Group III
Classification Code C9

Tunnel Restriction Code (E)

**Description** UN1760, Corrosive liquid, n.o.s. (Quarternary Ammonium Chloride), 8, III, (E)

ADR/RID-Labels 8

**ADN** 

**Proper Shipping Name** Corrosive liquid, n.o.s.

Hazard Class 8
Packing Group III
Classification Code C9
Special Provisions 274

**Description** UN1760, Corrosive liquid, n.o.s. (Quarternary Ammonium Chloride), 8, III

Limited Quantity 5 L

### 15. REGULATORY INFORMATION

### **International Inventories**

TSCA Complies
NDSL Complies
EINECS Complies
IECSC Complies

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

### **U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute Health HazardYesChronic Health HazardNoFire HazardNoSudden Release of Pressure HazardNoReactive HazardNo

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **U.S. State Regulations**

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

| The image of the

**Prepared By**Product Stewardship
23 British American Blvd.

Latham, NY 12110 1-800-572-6501

Issuing Date18-Apr-2013Revision Date18-Apr-2013Revision NoteInitial Release.

### General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet** 

\_\_\_\_\_\_