

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200 Standard must be  
consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)  
**Crew Member Personal Breathing Equipment**

Note: Blank Spaces are not permitted. If any item is not applicable, or  
no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name <b>Essex PB&amp;R Corporation</b>	Emergency Telephone Number <b>(800)424-9300 Chemtrec</b>
Address (Number, Street, City, State, and Zip Code) <b>5071 Springfield Drive</b>	Telephone Number for Information <b>(800)296-7587</b>
<b>Edwardsville, IL. 62025</b>	Date Prepared <b>2/10/00</b>
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Names(s))	OSHA PEL	ACGIH	Other Limits Recommended	% (optional)
<b>Lithium Hydroxide - Anhydrous</b>	<b>2mg/m3</b>	<b>2mg/m3</b>	<b>None</b>	<b>1310-65-2</b>
<b>Compressed Oxygen</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

**LiOH is classified as a Corrosive Solid Class 8**

**Oxygen is classified as Oxygen, Compressed Class 2.2**

**Except as noted, sections III through VIII apply to only Lithium Hydroxide.**

**Section III - Physical/Chemical Characteristics**

Boiling Point <b>N/A</b>	Specific Gravity ( H2O = 1) <b>1.5</b>
Vapor Pressure (mm Hg.) <b>N/A</b>	Melting Point <b>470 Degrees C (878 Degrees F)</b>
Vapor Density (Air = 1) <b>N/A</b>	Evaporation Rate (Butyl Acetate = 1) <b>N/A</b>
Solubility in Water <b>10% by Weight</b>	
Appearance and Odor <b>White Powder/Odorless</b>	

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>N/A</b>	Flammable Limits <b>N/A</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
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Extinguishing Media  
**Any Suitable for Surrounding Fire**  
Special Fire Fighting Procedures  
**If Possible, Remove Units from Fire**

Unusual Fire and Explosion Hazards  
**Compressed Oxygen Must Not Be Exposed to More Than 130 Degrees F**

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid None
	Stable	X	

Incompatibility (Materials to Avoid)

**Strong Acids, Aluminum, Zinc**

Hazardous Decomposition or Byproducts

None

Hazardous Polymerization	May Occur		Conditions to Avoid Reacts with Acids
	Will Not Occur	X	

**Section IV - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards(Acute and Chronic)

**Corrosive to Skin, Eyes, Nose, Throat and Respiratory Tract****Use of LiOH Presents No Significant Toxicity Hazard**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA regulated?
	No	No	No

**Not Identified to be a Carcinogen**

Signs and Symptoms of Exposure:

**Itching and/or Redness to Skin, Burning Sensation**

Medical Conditions

Generally Aggravated by Exposure: **No Applicable Conditions Were Found**

Emergency and First Aid Procedures:

**Eyes: Flush with Water and See Physician Immediately.****Skin: Flush with Water.****Inhalation: Remove to Fresh Air.****Ingestion: Drink two(2) Glasses of Water, Do Not Induce Vomitting.****Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material Is Released or Spilled:

**Sweep Up and Place in Suitable Containers.**

Waste Disposal Method:

**In Accordance with Federal and State EPA and Local Regulations.**

Precautions to be Taken in Handling and Storing:

**So not to Get on Skin, Eyes or Clothing. Avoid Breathing Dust, Keep Containers Shut.****Wash Thoroughly after Using.**

Transportation Information:

**Life-saving appliances, not self inflating. Class 9. UN3072. Hazard Weight: 0.248kG per Unit.****Section VIII - Control Measures**

Respiratory Protection (Specify Type)

**Wear NIOSH/MSHA Approved Dust Mask When Ventilation is not Adequate.**

Ventilation	Local Exhaust	Special
	Is Adequate	None
	Mechanical (general)	Other
	None	None

Protective Gloves	Eye Protection
<b>Rubber or Latex</b>	<b>Safety Glasses with Side Shields or Goggles</b>

Other Protective Clothing or Equipment

Work/Hygienic Practices

**Practice Good Housekeeping to Avoid Accumulation of Dust.**

U.S.G.P.O.: 19860491-529/45775

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## Notification of Proper Shipping Name Change-Feb 10, 2000

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To download this letter in MS Word document click [here](#).

To obtain the new MSDS click [here](#).

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### Press Release-

February 10, 2000

To Whom It May Concern

Subject: Notification of Proper Shipping Name Change (Suspense Feb 29, 2000)

Dear Sir or Madam,

As an Essex PB&R customer, this letter is to inform you of a "Notification of Proper Shipping Name Change" for our Crewmember Protective Breathing Equipment (PBE), Self-Contained Units (SCU), and Victim Rescue Units (VRU) product lines. Please distribute this notice to your hazardous material shipping, engineering, and purchasing departments **immediately**.

This change is a result of discussions between Essex PB&R and the United States Department of Transportation properly classifying our product as "Life saving devices, not self-inflating, UN3072". Please note that the attached MSDS have been updated to reflect the below change.

**Change from:** "Oxygen, compressed, UN1072 and Corrosive solid, n.o.s.