

THE PUROLITE CO, DIV OF BRO TECH CORPORATION -- ION EXCHANGE RESINS --
6810-00-559-3267

===== Product Identification =====

Product ID:ION EXCHANGE RESINS

MSDS Date:01/01/2000

FSC:6810

NIIN:00-559-3267

Status Code:A

MSDS Number: CKCNF

=== Responsible Party ===

Company Name:THE PUROLITE CO, DIV OF BRO TECH CORPORATION

Address:150 MONUMENT RD

City:BALA-CYNWYD

State:PA

ZIP:19004-1713

Country:US

Info

Phone Num:215-668-9090

Emergency Phone Num:610-668-9090/800-343-1500

Resp. Party Other MSDS Num.:MBED37/0100

CAGE:67168

=== Contractor Identification ===

Company Name:SIGMA TECH ENTERPRISES INC

Address:90 GLEN WAY SUITE 16

Box:City:SAN CARLOS

State:CA

ZIP:94070

Country:US

Phone:415-591-2510

Contract Num:SP0450-00-M-D521

CAGE:04KF9

Company Name:THE PUROLITE CO, DIV OF BRO TECH CORPORATION

Address:150 MONUMENT RD

Box:City:BALA-CYNWYD

State:PA

ZIP:19004-1713

Country:US

Phone:610-668-9090

CAGE:67168

=====
Composition/Information on Ingredients
=====

Ingred Name:SULFONATED STYRENE DIVINYLBENZENE COPOLYMER IN THE HYDROGEN FORM

CAS:69011-20-7

Minumum % Wt:40.

Maxumum % Wt:60.

Ingred Name:QUARTERNARY AMINE STYRENE DIVINYLBENZENE COLPOLYMER IN THE CHLORIDE FORM

CAS:69011-18-3

Minumum % Wt:40.

Maxumum % Wt:60.

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:40.

Maxumum % Wt:60.

=====
Hazards Identification
=====

LD5

0 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: LIKE OTHER FOREIGN

BODIES, PARTICLES MAY CAUSE MECHANICAL IRRITATION OF THE EYE.

Explanation of Carcinogenicity:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Effects of Overexposure:EYE: MECHANICAL IRRITATION.

Medical Cond Aggravated by Exposure:EYE CONTACT: LIKE OTHER FOREIGN

BODIES, PAR

TICLES MAY CAUSE MECHANICAL IRRITATION OF THE EYE.

=====
First Aid Measures
=====

First Aid:EYE CONTACT: FLUSH WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN IF IRRITATION PERSISTS.

=====
Fire Fighting Measures
=====

Flash Point:NO FLASH POINT

Autoignition Temp:=427.C, 800.6F

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:WEAR MSHA/NIOSH APPROVED, PRESSUR

E DEMAND,
SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE.

===== Accidental Release Measures =====

Spill Release Procedures:RESIN BEADS ON FLOOR MAY MECHANICALLY CAUSE FLOOR TO BE SLIPPERY. USE CARE TO AVOID FALLS. SWEEP UP AND TRANSFER TO CONTAINERS FOR RECOVERY OR DISPOSAL.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Handling and Storage =====

Handling and Storage Precautions:

KEEP DRUMS AND PLASTIC BAGS SEALED TO

PREVENT DRYING OR MOISTURE LOSS. STORE BELOW 49C (120F) AND ABOVE 0C (32F).

Other Precautions:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE.

Ventilation:LOCAL EXHAUST: NORMAL ROOM VENTILATION.

Protective Gloves:CLOTH.

Eye Protection:SAFETY GLASSES (ANSI Z87.1).

Other Protective Equipment:NONE.

Work Hygienic Practices:CLEANLINESS IS RECOMMENDED.

Supplement

al Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:APPROX 1.2

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SPHERICAL BENDS WITH A MIX OF COLORS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOD CONTACT WITH CONCENTRATED NITRIC ACID, OR STRONG OXIDIZING GASES.

Stability Condition to Avoid:AVOID TEMPERATURES OVER 220C (424F).

Hazardous Decomposition Products:CO, CO2, SO2, SO3, NH2, NH3, OH3 AND RELATED AMINES, DIVINYLBENZENE, STYRENE.

===== Toxicological Information =====

Toxicological Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Regulatory Information =====

SARA Title III Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.
Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.
State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Other Information =====
=====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.