View NSN Online: https://aerobasegroup.de/nsn/6630-01-348-6467

## ORION RESEARCH INC -- D/T REF ELECTRODE INNER FILL SOLUTION -- 6630-01-348-6467

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

Product ID:D/T REF ELECTRODE INNER FILL SOLUTION

MSDS Date:02/07/1994

FSC:6630

NIIN:01-348-6467

MSDS Number: BXCCS === Responsible Party ===

Company Name: ORION RESEARCH INC

Address:529 MAIN STREET

City:BOSTON State:MA ZIP:02129 Country:US

Info Phone Num:617-242-3900/800-225-1480

**Emerg** 

ency Phone Num:617-242-3900

CAGE:014G6

=== Contractor Identification ===

Company Name: ORION RESEARCH, INC.

Address:500 CUMMINGS CENTER

Box:City:BEVERLY

State:MA

ZIP:01915-6199

Country:US

Phone:978-232-6000

CAGE:014G6

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

Ingred Name:POTASSIUM NITRATE

CAS:7757-79-1

RTECS #:TT3700000 Fraction by Wt: 17.1%

Other REC Limits: NONE RECOMMENDED

Ingred Name: SILVER CHLORIDE

CAS:7783-90-6

RTECS #:VW3563000 Fraction by Wt: TRACE

Other REC L

## imits:NONE RECOMMENDED

Ingred Name:GLYCOLS, POLYETHYLENE, MONO(P-(1,1,3,3-TETRAMETHYL BUTYL)PHENYL) ETHER (TRITON X100)

CAS:9002-93-1

RTECS #:MD0907700 Fraction by Wt: TRACE

Other REC Limits: NONE RECOMMENDED

Ingred Name: NAPHTHOL GREEN B

CAS:19381-50-1 RTECS #:LJ8930000 Fraction by Wt: 0.5%

Other REC Limits: NONE RECOMMENDED

Ingred Name:POTASSIUM CHLORIDE

CAS:7447-40-7

RTECS #:TS8050000 Fraction by Wt: 5.0%

Other REC Limits: NONE RECOMMENDED

Ingred Name: SODIUM CHLORIDE

CAS:7647-14-5

**RTECS** 

#:VZ4725000

Fraction by Wt: 0.4%

Other REC Limits: NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Fraction by Wt: 77.0%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:NOT RELEVANT ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SK

IN, CNS. ACUTE-EYES:MAY CAUSE IRRITATION. INHALATION:UNLIKELY IN NORMAL USE. INGESTION:LARGE AMOUNTS TAKEN INTERNALLY CAN BE FATAL OR MAY CAUSE DIZZINESS, VOMITING, WEAKNESS AND COLLAPSE. SKIN: UNKNOWN. CHRONIC-CAN CAUSE KIDNEY DAMAGE. **Explanation of Carcinogenicity:NONE** Effects of Overexposure: IRRITATION, DIZZINESS, VOMITING, HEADACHE, WEAKNESS, NAUSEA Medical Cond Aggravated by Exposure: INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE HEART OR KIDNEYS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES. First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:IF CONSCIOUS, INDUCE VOMITING. GET MEDI CAL ATTENTION. ========== Fire Fighting Measures =========================== Flash Point:NONE Extinguishing Media:WATER SPRAY, CARBON DIOX IDE, SAND, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL. Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. Unusual Fire/Explosion Hazard: NITRATE MAY RENDER OTHER MATERIALS MORE COMBUSTIBLE IF ALLOWED TO DRY OUT UPON THEM. ======== Accidental Release Measures ============ DILUTE SPILL WITH WATER AND COVER WITH SODA ASH. MIX AND TRANSFER TO A SUITABLE CONTAINER. NEUTRALIZE WITH HYDROCHLORIC ACID AND WASH

Spill Release Procedures: PREVENT SKIN AND EYE CONTACT. VENTILATE AREA.

DOWN DRAIN WITH EXCE SS WATER, IF PERMITTED.

Neutralizing Agent: SODA ASH THEN HYDROCHLORIC ACID

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

Handling and Storage Precautions: STORE AT ROOM TEMPERATURE. KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM INCOMPATIBLE MATERIALS. Other Precautions: WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE E

ATING, DRINKING, SMOKING. KEEP OUT OF REACH OF CHILDREN. DO NOT HEAT TO DRYNESS. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: NONE NORMALLY REQUIRED. Ventilation: ADEQUATE Protective Gloves: NONE NORMALLY REQUIRED. Eye Protection: SAFETY GLASSES Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. Supplemental Safety and Health PH RANGE: 5.5 - 7.5. ======== Physical/Chemical Properties ============ HCC:N1 NRC/State Lic Num:NOT RELEVANT Boiling Pt:B.P. Text:212F,100C Melt/Freeze Pt:M.P/F.P Text:24.8F,-4.0C Spec Gravity: 1.0 pH:5.5 Solubility in Water:MISCIBLE Appearance and Odor: GREEN LIQUID - ODORLESS ======== Stability and Reactivity Data =========== Stability Indicator/Materials to Avoid:YES REDUCING AGENTS, SODIUM ACETATE, TRICHLOROETHYLENE, CHARCOAL Stability Condition to Avoid:HEATING TO DRYNESS Hazardous Decomposition Products:OXIDES OF NITROGEN

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. NEUTRALIZED SOLUTION MAY BE WASHED DOWN DRAIN WITH LARGE AMOUNT OF WATER, IF PERMITTED.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. Th

e 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.