View NSN Online: https://aerobasegroup.com/nsn/6850-01-099-4015

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

## OCTEL STARREON LLC -- STADIS 450 CONDUCTIVITY IMPROVER (DINNSA STAB

MSDS Safety Information

\_\_\_\_\_ FSC: 6850 NIIN: 01-099-4015 MSDS Date: 11/03/1999 MSDS Num: CKWHY Product ID: STADIS 450 CONDUCTIVITY IMPROVER (DINNSA STABILIZER) **MFN: 01 Responsible Party** Cage: 1ML15 Name: OCTEL STARREON LLC Address: 8375 S WILLOW S T 5TH FLOOR City: LITTLETON CO 80124 Info Phone Number: 303-566-0558 / FAX 303-792-5668 Emergency Phone Number: MEDICAL EMER.: 1-800-873-8711 \_\_\_\_\_\_ Item Description Information Item Manager: S9G Item Name: ANTISTATIC ADDITIVE, AVIATION TURBINE FUEL Specification Number: NONE Type/Grade/Class: NONE Unit of Issue: CN Quantitative Expression: 0000000005GL UI Container Qty: 0 Type of Container: CAN \_\_\_\_\_\_ Ingredients \_\_\_\_\_ Name: \*\*\* PROPRIETARY \*\*\* -----\_\_\_\_\_ Health Hazards Data Carcinogenicity Inds - NTP: YES IARC: YES **OSHA: YES** Effects of Exposure: SKIN CONTACT WITH THE PRODUCT MAY CAUSE SKIN IRRITATION.

SKIN CONTACT WITH THE PRODUCT INGREDIENTS MAY CA

USE DEFATTING OF THE SKIN.

THERE ARE RARE INCONCLUSIVE REPORTSOF HUMAN SENSITIZATION FROM SKIN CONTACT WITH ISOPROPYL ALCOHOL. SIGNIFICANT SKIN PERMEATION AFTER CONTACT APPEARS UNLIKELY. EYE CONTAC WITH THE PRODUCT INGREDIENTS MAY CAUSE EYE IRRITATION. EXPOSURE BY INHALATION TO THE PRODUCT COMP ONENTS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY PASSAGES. INGESTION MAY CAUSE GASTROINTESTINAL TRACT IRRITATION. ASPIRATION OF THIS PRODUCT INTO THE LUNGS DURING INGESTION OR VOMITING

MAY RESULT IN "CHEMICAL PNEUMONIA".

Explanation Of Carcinogenicity: OCTEL STARREON CONTROLS THE FOLLOWING MATERIALS AS POTENTIAL CARCINOGENS: BENZENE.

Signs And Symptions Of Overexposure: SKIN CONTACT:DISCOMFORT OR RASH. EYE CONTACT:DISCOMFORT, TEARING, OR BLURRING OF VISION. INHALATION:COUGHING & amp; DISCOMFORT; OR POSSIBLY MODEST INITIAL SYMPTOMS OF LUNG IRRITATION FOLLOWED IN HOURS BY S EVERE SHORTNESS OF BREATH REQUIRING PROMPT MEDICAL AID. INHALATION MAY ALSO CAUSE NONSPECIFIC DI

SCOMFORT SUCH AS NAUSEA, HEADACHE OR

WEAKNESS; OR TEMPORARY NERVOUS SYSTEM DEPRESSION WITH ANESTHETIC EF FECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION & amp; LOSS OF CONSCIOUSNESS. UPPER ABDOMINAL PAIN, "HEART BURN", VOMITING & amp; DIARRHEA. COUGHING, GASPING, CHOKING, BLUISH DISCOLORATION OF SKIN, RAPID BREATHING & amp; HEART RATE & amp; FEVER.

Medical Cond Aggravated By Exposure: INDIVIDUAL WITH PREEXISTING DISEASES OF THE CNS, CARDIOVASCULAR SYSTEM, BONE MARROW, LIVER OR KIDNEYS MAY HAVE

INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE.

First Aid: INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. SKIN: FLUSH SKIN WITH WATER AFTER CONTACT. WASH CON TAMINATED CLOTHING BEFORE REUSE. EYE: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITIN

G. IMMEDI ATELY GIVE 2 GLASSES OF WATER.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

\_\_\_\_\_

Handling and Disposal

\_\_\_\_\_

Spill Release Procedures: USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEANUP. ELIMINATE ALL SOURCES OF IGNITION-HEAT, SPARKS, FLAME, ELECTRICITY, IMPACT & amp; FRICTION. DIKE SPILL. PREVENT MATERIAL FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS. SOAK UP WITH SAWDUST, SAND, OIL DRY OR OTHER ABSORBENT MATERIAL. Waste Disposal Methods: TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. DO NOT FLUSH TO SURFACE WATER OR SANITARY SEWER SYSTEM. THIS MAT ERIAL MAY BE A RCRA REGULATED HAZARDOUS WASTE UPON DISPOSAL DUE TO THE IGNITABILITY CHARACTERISTIC. Handling And Storage Precautions: HANDLING (PHYSICAL ASPECTS)-GROUND CONTAINER WHEN POU RING. KEEP AWAY FROM HEAT, SPARKS AND FLAMES. USE OF NON-SPARKING AND EXPLOSION-PROOF EQUIPMENT MAY BE NECESSARY DEPENDING ON TYPE OF OPERATION. ST ORAGE-STORE IN A WELL VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. Other Precautions: HANDLING (PERSONNEL)-AVOID BREATHING VAPORS OR MIST. AVOID CONTACT WITH EYES, SKIN, OR CLOTHING, WASH THOROUGHLY AFTER HANDLING. \*\*\*MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: EPIDEMIOLOGIC STUDIES DE MOSTRATE SIGNIFICANT RISK OF NEUROLOGICAL EFFECTS A TTRIBUTABLE TO TOLUENE OVEREXPOSURE. \_\_\_\_\_ Fire and Explosion Hazard Information \_\_\_\_\_ Flash Point Method: PMCC Flash Point: =6.C, 42.8F Autoignition Temp: =440.C, 824.F Autoignition Temp Text: EST Extinguishing Media: WATER SPRAY, FOAM, DRY CHEMICAL, CO2. Fire Fighting Procedures: WATER MAY BE INEFFECTIVE FOR FIGHTING FIRE, HOWEVER WATER SPRAY MAY BE USED TO ABSORB MUCH OF THE HEAT & amp; TO **KEEP EXPOSED** MATERIAL FROM BEING DAMAGED BY THE FIRE. EVACUATE PERSONNEL TO SAFE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT. COOL TANK/CONTAINER WITH WATER SPRAY. Unusual Fire/Explosion Hazard: FLAMMABLE LIQUID. VAPOR FORMS EXPLOSIVE MIXTURES WITH AIR. \_\_\_\_\_\_ **Control Measures** \_\_\_\_\_ \_\_\_\_\_ Respiratory Protection: WHERE THERE IS POTENTIAL FOR AIRBORNE EXPOSURES, W EAR NIOSH/MSHA APPROVED RESPIRATORY PROTECTION. Ventilation: USE SUFFICIENT VENTILATION TO KEEP EMPLOYEE EXPOSURE BELOW RECOMMENDED LIMITS. Protective Gloves: WEAR IMPERVIOUS GLOVES. Eve Protection: WEAR SAFETY GLASSES OR COVERALL CHEMICAL SPLASH GOGGLES. Other Protective Equipment: WEAR A FACE SHIELD WHERE THE POSSIBILITY EXISTS FOR FACE CONTACT DUE TO SPLASHING OR SPRAYING OF MATERIAL. WHERE THERE IS POTENTIAL FOR SKIN CONTACT WEAR IMPERVIOUS APRON, PANTS AND JACKET. Work Hygienic Prac

tices: KEEP CONTAINER TIGHTLY CLOSED. Supplemental Safety and Health: NOTES TO PHYSICIAN: ACTIVATED CHARCOAL MIXTURE MAY BE ADMINISTERED. TO PREPARE ACTIVATED CHARCOAL MIXTURE, SUSPEND 50 GRAMS ACTIVATED CHARCOAL IN 400 ML WATER AND MIX THOROUGHLY. ADMINISTER 5 ML/KG, O R 350 ML FOR AN AVERAGE ADULT.

\_\_\_\_\_

Physical/Chemical Properties

\_\_\_\_\_

HCC: F2 Boiling Point: =90.C, 194.F B.P. Text: IB Ρ Spec Gravity: 0.92 60/60F (16/16C) Evaporation Rate & amp; Reference: >1(BUTYL ACETATE=1) Solubility in Water: SLIGHT Appearance and Odor: CLEAR DARK AMBER LIQUID; TOLUENE ODOR. \_\_\_\_\_ **Reactivity Data** \_\_\_\_\_ Stability Indicator: YES Stability Condition To Avoid: STABLE AT NORMAL TEMPERATURES AND STORAGE CONDITIONS. Materials To Avoid: NONE REASONABLY FORESEEABLE. Hazardous Decomposition Products: DECOMPOSES WITH HEAT. DECOMPOSITION PRODUCTS FORMED: SO2. Hazardous Polymerization Indicator: NO Conditions To Avoid Polymerization: WILL NOT OCCUR. \_\_\_\_\_ **Toxicological Information** Toxicological Information: ANIMAL DATA: "STADIS" 450. TOLUENE: INHALATION 4 HR. ALC:4,000 PPM IN RATS. SKIN ABSORPTION LD50:12,124 MG/KG RABBITS. ORAL LD50:5,5800 MG/KG IN RATS. ISOPROPYL ALCOHOL:ORAL LD50: 4,700 MG/KG IN RATS. I NHALATION 4 HR. LC50:16,000 PPM IN RATS. SKIN ABSORPTION LD50:12,900 MG/KG. AROMATIC 150:INHALATION 6 HR. LC50:>11.67 MG/L IN RATS. SKIN ABSORPTION LD50:>3,160 MG/KG IN RABBITS. THE PRODUCT IS A SLIGH T SKIN IRRITANT IN ANIMALS. TOLUENE IS A SLIGHT SKIN IRRITANT, IS A KILD EYE IRRITANT, & amp; IS NOT A SKIN SENSITIZER IN ANIMALS. ISOPROPYL ALCOHOL IS A MILD SKIN IRRITANT, IS A MODERATE EYE IRRITANT, & amp; I S UNTESTED FOR ANIMAL SENSITIZATION.

\_\_\_\_\_

\_\_\_\_\_

**Ecological Information** 

\_\_\_\_\_

Ecological: 96 HOUR LC50, FATHEAD MINNOWS: 12 MG/L.

MSDS Transport Information

\_\_\_\_\_

Transport Information: DOT PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (CONTAINS TOLUENE & amp; ISOPROPANOL); HAZARD CLASS: 3; UN ID#: UN1993:

PACKING GROUP II; DOT LABEL: FLAMMA

BLE LIQUID. IMO PROPER SHIPPING NAME:

FLAMMABLE LIQUID, N.O.S. (CONTAINS TOLUENE & amp; ISOPROPANOL); HAZARD CLASS: 3.2; UN ID#: UN1993; PACKING GROUP II; LABEL: FLAMMABLE LIQUID. SPECIAL INFORMATION: FLASH POINT: 6C (42F). SHIPPING CONTAINERS: UN1A1/Y /100 (PHENOLIC LINED). REPORTABLE QUANTITY: 1000 LB TOLUENE.

\_\_\_\_\_

Regulatory Information

\_\_\_\_\_

Sara Title III Information: \*DISCLOSURE AS

A TOXIC CHEMICAL IS REQUIRED UNDER

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372. (TOLUENE, NAPHTHALENE). TITLE III HAZARD CLA SSIFICATIONS SECTION 311/312:ACUTE - YES, CHRONIC - NO, FIRE: YES, REACTIVITY: NO, PRESSURE: NO.

Federal Regulatory Information: THIS MATERIAL IS AN ICR (IGNITABLE, CORROSIVE, REACTIVE) SUBSTANCE UNDER CERCLA. UNLESS RELEASED MATERIAL IS IMMEDIATELY CLEANED UP FOR REPROCESSING, RECYCLING OR REUSE, A

RELEASE OF 100 LBS. MAY

TRIG GER REPORTING REQUIREMENTS OF CERCLA SECTION 103. TSCA INVENTORY STATUS: REPORTED/INCLUDED.

State Regulatory Information: THIS PRODUCT CONTAINS TRACE QUANTITIES (&It;600 PPM) OF BENZENE, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

\_\_\_\_\_

Other Information

\_\_\_\_\_

Other Information: POTENTIAL HEALTH EFFECTS: PULMONARY EDEMA OR BLEEDING, DROWSINESS,

CONFUSION, COMA & amp; SEIZURES MAY OCCUR IN MORE SERIOUS CASES. SYMPTOMS MAY DEVELOP IMMEDIATELY OR AS LATE AS 24 HOURS AFTER THE EXPOSURE DEPENDING ON HOW MUCH MATERIAL ENTEREDTHE LUNGS. HIGHER OR PROLONGED EXPOSURES MAY LEAD TO ABNORMAL LIVER OR KIDNEY FUNCTION AS DETECTED BY LABORATORY TESTS, TEMPORARY ALTERATION OF THE HEART'S ELECT RICAL ACTIVITY WITH IRREGULAR PULSE, PALIPTATIONS OR INADEQUATE CIRCULATION, DECREASED PULSE RATE & amp; BLOOD PRESSURE OR FATALITY FROM GROSS OVERE

XPOSURE. NFPA, NPCA-: H=2, F=4, R=1. \_\_\_\_\_ Transportation Information **Responsible Party Cage: 1ML15** Trans ID NO: 155465 Product ID: STADIS 450 CONDUCTIVITY IMPROVER (DINNSA STABILIZER) MSDS Prepared Date: 11/03/1999 Review Date: 09/24/2001 **MFN: 1** Tech Entry NOS Shipping Nm: CONTAINS TOLUENE & amp; ISOPROPANOL Net Unit Weight: 38.3 LBS Multiple KIT Number: 0 **Review IND: Y** Unit Of Issue: CN С ontainer QTY: 0 Type Of Container: CAN Additional Data: SHIPPING IS PER MSDS. \_\_\_\_\_ Detail DOT Information \_\_\_\_\_ DOT PSN Code: GJJ Symbols: G DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S. Hazard Class: 3 **UN ID Num: UN1993** DOT Packaging Group: II Label: FLAMMABLE LIQUID Special Provision: T8,T31 Non Bulk Pack: 202 Bulk Pack: 242 Max Qty Pass: 5L Max Qty Cargo: 60 L Vessel Stow Reg: B ====== \_\_\_\_\_\_ Detail IMO Information \_\_\_\_\_ IMO PSN Code: HIN IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o IMDG Page Number: 3230 UN Number: 1993 UN Hazard Class: 3.2 IMO Packaging Group: I/II Subsidiary Risk Label: -EMS Number: 3-07 MED First Aid Guide NUM: T \_\_\_\_\_\_ **Detail IATA Information** \_\_\_\_\_ IATA PSN

ΒV IATA UN ID Num: 1993 IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \* IATA UN Class: 3 IATA Label: FLAMMABLE LIQUID UN Packing Group: II Packing Note Passenger: 305 Max Quant Pass: 5L Max Quant Cargo: 60L Packaging Note Cargo: 307 \_\_\_\_\_ Detail AFI Information \_\_\_\_\_ AFI PSN BV AFI Symbols: \* AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S. AFI Hazard Class: 3 AFI UN ID NUM: UN1993 AFI Packing Group: II **Special Provisions: P5** Back Pack Reference: A7.3 \_\_\_\_\_ HAZCOM Label \_\_\_\_\_ Product ID: STADIS 450 CONDUCTIVITY IMPROVER (DINNSA STABILIZER) Cage: 1ML15 Company Name: OCTEL STARREON L.L.C. Street: 8375 S. WILLOW ST City: LITTLETON CO Zipcode: 80124 Health Emergency Phone: MEDICAL EMER.: 1-800-873-8711 Label Required IND: Y Date Of Label Review: 12/01/2000 Status Code: A Year Procu red: 2000 Origination Code: F Chronic Hazard IND: Y Eye Protection IND: YES Skin Protection IND: YES Signal Word: DANGER **Respiratory Protection IND: YES** Health Hazard: Moderate Contact Hazard: Slight Fire Hazard: Severe Reactivity Hazard: Slight Hazard And Precautions: SKIN CONTACT WITH THE PRODUCT MAY CAUSE SKIN IRRITATION. SKIN CONTACT WITH THE PRODUCT INGREDIENTS MAY CAUSE DEFATTING OF THE SKIN. THERE ARE RARE INCONCLUSIVE REPORTSOF HUMAN SENSITIZATION FROM SKIN CONTACT WITH ISOPROPYL

ALCOHOL. SIGNIFICANT SKIN PERMEATION AFTER CONTACT APPEARS UNLIKELY. EYE CONTAC WITH THE PRODUCT INGREDIENTS MAY CAUSE EYE IRRITATION. EXPOSURE BY INHALATION TO THE PRODUCT COMP ONENTS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY PASSAGES. INGESTION MAY CAUSE GASTROINTESTINAL TRACT IRRITATION. ASPIRATION OF THIS PRODUCT INTO THE LUNGS DURING INGESTION OR VOMITING MAY RESULT IN "CHEMICAL PNEUMONIA".

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, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. An

## y person

utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.