

NISUS CORPORATION -- BORA-CARE

=====
MSDS Safety Information
=====

FSC: 6840
NIIN: 01-466-0851
MSDS Date: 09/08/1995
MSDS Num: CKXWK
Product ID: BORA-CARE
MFN: 01
Responsible Party
Cage: 1LJF8
Name: NISUS CORPORATION
Address: 215 DUNAVANT DR
City: ROCKFORD TN 37853
Info Phone Number: 4
23-577-6119 / 800 264-0870
Emergency Phone Number: 800-364-0870
Chemtrec IND/Phone: (800)424-9300
Proprietary Ind: Y
Review Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: 8C885
Name: EHRLICH J C CHEMICAL CO INC
Address: 500 SPRING RIDGE DR
City: READING PA 19612-3848
Phone: 610-372-9700/FAX: 610-378-9744
Contract Number: SP0411-01-M-E805
Cage: 1LJF8
Name: NISUS CORPORATION
Address: 214
DUNAVANT DR
City: ROCKFORD TN 37853
Phone: 423-577-6119 / 800 264-0870

=====
Item Description Information
=====

Item Manager: S9G
Item Name: INSECTICIDE, DIOSODIUM OCTABORATE TETRAHYDRATE
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: GL
Quantitative Expression: UNKNOWN
UI Container Qty: 1 GAL
Type of Container: CONTAINER

Ingredients

=====
Name: *** PROPRIETARY ***

=====

=====
Health Hazards Data
=====

LD50 LC50 Mixture: ORAL LD50: RAT: GREATER THAN 5.0 GM/KG

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYE: THIS MATERIAL MAY CAUSE EYE IRRITATION. SKIN: THIS MATERIAL IS ESSENTIALLY NON-IRRITATING. . INGESTION: THIS MATERIAL CAN BE

HARMFUL IF SWALLOWED. IT IS SLIGHTLY TOXIC TO HUMANS

Explanation Of Carcinogenicity: NONE OF THE MAJOR CONSTITUENTS OF THIS MATERIAL HAVE BEEN IDENTIFIED AS CARCINOGENS OR PROBABLE CARCINOGENS BY IARC OR OSHA.

Signs And Symptoms Of Overexposure: EYE: DIRECT CONTACT WITH THE GEL MAY CAUSE BURNING, TEARING AND REDNESS IN SENSITIVE INDIVIDUALS. SKIN: PROLONGED OR REPEATED EXPOSURE TO THIS MATERIAL MAY CAUSE SOFTENING OF THE SKIN. INGESTION: INGESTION OF LARGE AMOUNTS MAY

CAUSE NAUSEA, MENTAL SLUGGISHNESS FOLLOWED BY

DIFFICULTY IN BREATHING AND HEART FAILURE, KIDNEY AND BRAIN DAMAGE, POSSIBLY DEATH. INHALATION: BREATHING HIGH CONCENTRATIONS OF VAPORS MAY CAUSE NAUSEA, DIZZINESS OR DROWSINESS, AND IRRITATION OF THE NOSE AND THROAT.

Medical Cond Aggravated By Exposure: PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS MATERIAL. PRE-EXISTING LUNG DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

First Aid: EYE-FLUSH WITH

CLEAN WATER FOR 15 MINS. IF IRRITATION PERSISTS, SEEK

MEDICAL AID. SKIN-REMOVE SOILED CLOTHES. CLEANSE AFFECTED AREA BY WASHING WITH MILD SOAP & WATER. IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL AID. INHALATION-IF IRRITATION OF THE NOSE OR THROAT DEVELOPS. MOVE AWAY FROM THE SOURCE & INTO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL AID. IF VICTIM IS NOT BREATHING, ARTIFICIAL RESPIRATION SHOULD BE GIVEN. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE GIVEN BY QUALIFIED PERSONS.

SEEK IMMEDIATE MEDICAL AID. INGESTION- SEEK EMERGENCY MEDICAL AID. "SEE OTHER INFORMATION "

=====
Handling and Disposal
=====

Spill Release Procedures: ABSORB WITH ORGANIC LIQUID ABSORBENT. DO NOT LET MATERIAL OR WASHWATERS ENTER SEWERS OR WATERWAYS.

Waste Disposal Methods: CONTACT YOUR STATE PESTICIDE, ENVIRONMENTAL CONTROL AGENCY OR LOCAL AUTHORITIES FOR PROPER GUIDELINES

ES.

Handling And Storage Precautions: STORE BETWEEN 40 AND 90 DEG F. DO NOT STORE IN DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions: KEEP AWAY FROM CHILDREN AND PETS. TOXIC TO PLANTS AND SHRUBBERY.

=====
Fire and Explosion Hazard Information
=====

Flash Point Method: TCC

Flash Point: >104.4C, 220.F

Lower Limits: NOT KNOWN

Upper Limits: NOT KNOWN

Extinguishing Media: CO2

, DRY POWDER OR UNIVERSAL TYPE FOAM.

Fire Fighting Procedures: AVOID INHALING SMOKE. THE USE OF A SCBA IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USEFUL IN MINIMIZING VAPORS AND COOLING CONTAINERS EXPOSED TO HEAT AND FLAME.

Unusual Fire/Explosion Hazard: THIS MATERIAL WILL NOT READILY IGNITE.

=====
Control Measures
=====

Respiratory Protection: GOOD VENTILATION.

Ventilation: EXHAUST TO VENTILATE.

Protective Gloves: THE USE OF SOLVENT RESISTANT GLOVES IS ADVISED.

Eye Protection: SAFETY GLASSES, GOGGLES OR FACE SHIELD.

Other Protective Equipment: IT IS RECOMMENDED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND WASHING SKIN.

Supplemental Safety and Health: PRODUCT NAME: BORA-CARE. EPA REGISTRATION NO. 64405-1. CHEMICAL FAMILY: GLYCOL BORATES SOLUTION. FORMULAL PROPRIETARY MIXTURE. CAS NO.: N/A. HAZARD RATING: NFPA: HEALTH=1, SLIGHT HAZARD.
FLAMMABILITY= 0. REACTIVITY=0.

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

HCC: N1

Boiling Point: >100.C, 212.F

Vapor Pres: NEGLIGIBLE

Spec Gravity: 1.38 G/ML

PH: 6.9-7.1 50% SOL

Solubility in Water: 100

Appearance and Odor: CLEAR VISCOUS GEL, ODOR: NONE.

Percent Volatiles by Volume: 60

=====
Reactivity Data
=====

=====

Stability Indicator: YES

Stability Condition To Avoid: EXPOSURE TO STRONG OXIDIZING AGENTS.

Materials To Avoid: THIS MATERIAL IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS.
THIS PRODUCT MAY CORRODE ALUMINUM.

Hazardous Decomposition Products: ETHYLENE OXIDE, CARBON MONOXIDE, CARBON DIOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

=====

Toxicological Information

=====

=====

Toxicological Information: ETHYLENE GLYCOL MAY CAUSE CONGENITAL MALFORMATIONS (TERATOGENIC) IN MICE & RATS WHEN ADMINISTERED BY GAVAGE OR IN THE DRINKING WATER DURING ORGANOGENESIS: NOT TERATOGENIC WHEN FED IN THE DIET. PRE-EXISTING KIDNEY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL. ACUTE DERMAL LD50-GREATER THAN 2 GM/KG BODY WEIGHT (NEW ZEALAND ALBINO MALE & FEMALE RABBITS). ACUTE INHALATION LC50-GREATER THAN 5 MG/L FOR 4 HRS (SPRAGUE-DAWLEY MALE & FEMALE RATS). INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THIS MATERIAL MAY BE HARMFUL OR FATAL.

=====

Ecological Information

=====

=====

MSDS Transport Information

=====

Transport Information: DOT HAZARD CLASSIFICATION: NOT REGULATE D.

=====

Regulatory Information

=====

=====

Other Information

=====

Other Information: FIRST AID: IF THE VICTIM IS DROWSY OR UNCONSCIOUS, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. DO NOT GIVE ANYTHING BY MOUTH. IF VICTIM IS CONSCIOUS & ALERT, VOMITING SHOULD BE INDUCED FOR INGESTION OF M

ORE THAN

1-2 TABLESPOONS FOR AN ADULT, PREFERABLY WITH SYRUP OF IPECAC UNDER DIRECTIONS FROM A PHYSICIAN OR POISON CENTER. IF SYRUP OF IPECAC IS NOT AVAILABLE, VOMITING CAN BE INDUCED BY GENTLY PLAC ING 2 FINGERS IN BACK OF THROAT. IF LARGE AMOUNTS ARE INGESTED, TREAT FOR BORATE TOXICITY. IF POSSIBLE, DO NOT LEAVE VICTIM UNATTENDED. NOTE TO PHYSICIAN: TREAT FOR EXPOSURE TO GLYCOLS. CONTAINS BORAT ES. MONITOR ELECTROLYTES.

=====
Transp
ortation Information
=====

Responsible Party Cage: 1LJF8
Trans ID NO: 155841
Product ID: BORA-CARE
MSDS Prepared Date: 09/08/1995
Review Date: 01/23/2001
MFN: 1
Net Unit Weight: 8 LBS
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: GL
Container QTY: 1 GAL
Type Of Container: CONTAINER

=====
Detail DOT Information
=====

DOT PSN Code: ZZZ
DOT Pr
oper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====
Detail IMO Information
=====

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

=====
Detail IATA Information
=====

IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE
OF TRANSPORTATION

=====
Detail AFI Information
=====

AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====
HAZCOM Label
=====

Product ID: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT AUTHORIZED

=====
Dis

claimer (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. Any 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.