

NISUS CORPORATION -- BORA-CARE

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MSDS Safety Information
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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

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Contractor Summary
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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

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Item Description Information
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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

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Name: *** PROPRIETARY ***

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Health Hazards Data
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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 Q

UALIFIED PERSONS.

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

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Handling and Disposal
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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 GUIDELIN

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.

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Fire and Explosion Hazard Information
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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.

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Control Measures
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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.

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Physical/Chemical Properties
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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

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Reactivity Data
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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.

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Toxicological Information

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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.

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Ecological Information

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MSDS Transport Information

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Transport Information: DOT HAZARD CLASSIFICATION: NOT REGULATED.

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Regulatory Information

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Other Information

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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.

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Transp
ortation Information
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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
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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Pr
oper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE
OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT AUTHORIZED
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