

TULSTAR PRODUCTS INC -- BOROTHENE NON-CFC PRECISION VAPOR DEGREASING

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MSDS Safety Information
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FSC: 6850

NIIN: 01-424-8166

MSDS Date: 06/06/1996

MSDS Num: CCKVY

Product ID: BOROTHENE NON-CFC PRECISION VAPOR DEGREASING SOLVENT

MFN: 01

Responsible Party

Cage: 0F2M5

Name: TULSTAR PRODUCTS INC

Address: 1722 S CARSON

, SUITE 2907

City: TULSA OK 74119

Info Phone Number: 918-587-7878/FAX -3297 (DAVID COOK)

Emergency Phone Number: 918-587-7878/FAX -3297 (DAVID COOK)

Preparer's Name: UNKNOWN

Proprietary Ind: Y

Review Ind: Y

Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 0F2M5

Name: TULSTAR PRODUCTS INC

Address: 1722 S CARSON, SUITE 2907

City: TULSA OK 74119

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Contractor Summary
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Cage: 0F2M5

Name: TULSTAR PRODUCTS INC

Address: 1722 S CARSON, SUITE 2907

City: TULSA OK 74119

Phone: 918-587-7878/FAX -3297 (DAVID COOK)

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Item Description Information
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Item Manager: S9G

Item Name: CLEANING COMPOUND,SOLVENT

Specification Number: UNKNOWN

Unit of Issue: CN

Quanti

tative Expression: 00000000005GL

UI Container Qty: 1

Type of Container: CAN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: NO

Ingestion:

YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE: INHALATION MAY CAUSE RESPIRATORY IRRITATION; CNS EFFECTS. CONTACT MAY CAUSE SKIN & EYE IRRITATION. INGESTION MAY CAUSE IRRITATION OF MOUTH & GI TRACT; EFFECTS SIMILAR TO INHALATION. CHRONIC: PR OLONGED/REPEATED EXPOSURE MAY CAUSE SKIN SKIN IRRITATION, DERMATITIS.

Explanation Of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Sign

s And Symptoms Of Overexposure: INHALED-RESPIRATORY TRACT IRRITATION, HEADACHE, DIZZINESS, NAUSEA, VOMITING, NARCOSIS. SKIN-IRRITATION, DERMATITIS. EYES-IRRITATION, PAIN. INGESTED-IRRITATION OF GI TRACT & MOUTH, ABDOMINAL PAIN, VOMI TING, DIZZINESS, HEADACHE, NAUSEA, NARCOSIS.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER.

INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RE SPIRATION AS NEEDED. INGESTED-IF CONSCIOUS, DRINK LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING! SEEK IMMEDIATE MEDICAL ATTENTION.

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Handling and Disposal
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Spill Release Procedures: EVACUATE THE AREA. WEAR SCBA AND APPROPRIATE PERSONAL PROTECTIVE GEAR. STOP LEAK IF SAFE & FEASIBLE. CONTAIN SPILL. ABS

ORB

WITH INERT MATERIAL. PREVENT ENTRY INTO SEWERS & STREAMS. PICK ABSORBED MATERIAL & PLACE IN CONTAINER. VENTILATE AREA.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS. DO NOT FLUSH TO SANITARY SEWER OR WATERWAY. REFER TO RCRA REGULATIONS 40 CFR 260-281 FOR WASTE DISPOSAL INSTRUCTIONS.

Handling And Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. P

ROTECT FROM EXTREME HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS. DO NOT STORE NEAR FOOD.

Other Precautions: WHEN WORKING SITUATIONS WHERE A HIGH LEVEL OF VAPOR CONCENTRATION IS LIKELY, USE SELF-CONTAINED BREATHING APPARATUS. KEEP THIS CHEMICAL OUT OF REACH OF CHILDREN. MINIMIZE BODY CONTACT WITH THIS PRODUCT. AVOID INHALAING FUMES OR VAPORS.

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Fire and Explosion Hazard Information
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Flash Point Text: NON-FLAMMABLE

Lower Limits: NONE

Upper Limits: NONE

Extinguishing Media: NON-FLAMMABLE; USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard: PRODUCT WILL DECOMPOSE AT TEMPERATURES ABOVE 400F; RELEASING TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN HALIDE AND PHOSGENE.

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Control M
easures
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Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: IMPERVIOUS: NITRILE. DO NOT USE RUBBER!

Eye Protection: CHEMICAL GOGGLES OR FACESHIELD.

Other Protective Equipment

: CLEAN, BODY-COVERING CLOTHING; APRON & BOOTS (NOT MADE OF RUBBER). DLA-: EYE WASH STATION & SAFETY SHOWER.
Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health: DO NOT WEAR CONTACT LENSES WHEN HANDLING THIS MATERIAL.

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Physical/Chemical Properties
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HCC: T6
B.P. Text: 1
54F,68C
M.P/F.P Text: -87F,-66C
Decomp Text: >400F,>204C
Vapor Pres: 70
Vapor Density: UNKNOWN
Spec Gravity: 1.90
Viscosity: UNKNOWN
Evaporation Rate & Reference: UNKNOWN
Solubility in Water: NEGLIGIBLE
Appearance and Odor: CLEAR, COLORLESS LIQUID; SWEET ODOR.
Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: AVOID TEMPERATURES ABOVE 400F.
Materials To Avoid: STRONG OXIDIZING AGENTS, ACIDS. MAY ATTACK SOME KINDS OF PLASTICS, RUBBER & COATINGS.
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN HALIDE AND PHOSGENE.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 0F2M5

Trans ID NO: 136103

Product ID: BOROTHENE NON-CFC PRECISION VAPOR DEGREASING SOLVENT

MSDS Prepared Date: 06/06/1996

Review Date: 01/27/1998

MFN: 1

Tech Entry NOS Shipping Nm: HALOGENATED HYDROCARBON

Net Unit Weight: 79.2 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CN

Container QTY: 1

Type Of Container: CAN

Additional Data: DLA

- STAFF UNABLE TO GIVE SPECIFIC CHEMICAL NAMES FOR NOS

DESIGNATION-MFR CLAIMS IDENTITY AS TRA DE SECRET INFORMATION. XXX/IATA: IATA
DOES NOT HAVE A PG III PSN FOR HALOGENATED LIQUIDS AS OTHER MODES DO. BEST
GUESS IS: TOXIC LIQUID, NOS CL 6.1 UN2810.

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Detail DOT Information
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DOT PSN Code: QKO

Symbols: G

DOT Proper Shipping Name: TOXIC LIQUIDS, ORGANIC, N.O.S.

Hazard Class: 6.1

UN I

D Num: UN2810

DOT Packaging Group: III

Label: KEEP AWAY FROM FOOD

Special Provision: T7

Packaging Exception: 153

Non Bulk Pack: 203

Bulk Pack: 241

Max Qty Pass: 60 L

Max Qty Cargo: 220 L

Vessel Stow Req: A

Water/Ship/Other Req: 40

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Detail IMO Information
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IMO PSN Code: HWH

IMO Proper Shipping Name: HALOGENATED IRRITATING LIQUID, N.O.S. y

IMDG Page Number: 6157

UN Number: 1610

UN Hazard

Class: 6.1
IMO Packaging Group: II/III
Subsidiary Risk Label: -
EMS Number: 6.1-02
MED First Aid Guide NUM: 740

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Detail IATA Information
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IATA PSN Code: XXX
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Detail AFI Information
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AFI PSN Code: NBL
AFI Symbols: *
AFI Proper Shipping Name: HALOGENATED IRRITATING LIQUID, N.O.S.

AFI Hazard Class: 6.1
AFI UN ID NUM: UN1610
AFI Packing Group: III
Special Provisions: P5
Back Pack Reference: A10.5

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HAZCOM Label
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Product ID: BOROTHENE NON-CFC PRECISION VAPOR DEGREASING SOLVENT
Cage: 0F2M5

Company Name: TULSTAR PRODUCTS INC
Street: 1722 S CARSON, SUITE 2907
City: TULSA OK
Zipcode: 74119

Health Emergency Phone: 918-587-7878/FAX -3297 (DAVID COOK)

Label Required IND:

Y

Date Of Label Review: 12/24/1996

Status Code: C

Label Date: 12/24/1996

Year Procured: 1997

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: INHALATION MAY CAUSE RESPIRATORY IRRITATION; CNS
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IRRITATION OF MOUTH & GI TRACT; EFFECTS S

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ATTENTION.

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