

R.T. VANDERBILT COMPANY, INC -- 07209, BLACK-OUT BLACK

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MSDS Safety Information
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FSC: 6850
NIIN: 01-411-3708
MSDS Date: 05/04/2000
MSDS Num: CKMML
Product ID: 07209, BLACK-OUT BLACK
MFN: 01
Responsible Party
Cage: 8F790
Name: R.T. VANDERBILT COMPANY, INC
Address: 30 WINFIELD STREET
City: NORWALK CT
06855
Info Phone Number: 203-853-1400
Emergency Phone Number: 203-853-1400
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 1N612
Name: R. T. VANDERBILT CO INC
Address: 30 WINFIELD STREET
Box: 5150
City: NORWALK CT 06855
Phone: 203-853-1400
Contract Number: SP0450-00-M-SC63
Cage: 8F790
Name: R.T. VANDERBILT COMPANY, INC
Address: 30 WINFIELD STREET
City: NORWALK
CT 06855
Phone: 203-853-1400

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Item Description Information
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Item Manager: S9G
Item Name: COATING COMPOUND,OXIDE BLACK
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: GL
UI Container Qty: 0
Type of Container: CONTAINER

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data

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Route Of Entry Inds - Inhalation: YES

Ingestion: YES

Effects of Exposure: EYE: NO DATA AVAILABLE. CONTACT WITH LIQUID CAN CAUSE SEVERE EYE IRRITANT, AND VAPORS CAN CAUSE MILD TO MODERATE IRRITATION BASED ON COMPONENT TESTING. SKIN: NO DATA. PRODUCT EXPECTED TO BE AN IRRITANT BASED ON COMPONENT TESTING. SENSITIZATION: NO DATA. INGESTION: THIS PRODUCT

MAY BE AN INGESTION HAZARD. IF ASPIRATED INTO THE LUNGS, CAN CAUSE PNEUMONITIS. INHALATION: PRODUCT IS EXPECTED TO BE TOXIC BY INHALATION BASED ON COMPONENT DATA.

Explanation Of Carcinogenicity: REPEATED OR PROLONGED EXPOSURE TO THIS SUBSTANCE CAN PRODUCE DAMAGE TO THE KIDNEYS, NERVOUS SYSTEM, LIVER, UPPER RESPIRATORY TRACT AND EYES.

Signs And Symptoms Of Overexposure: EYE: NO DATA AVAILABLE. CONTACT WITH LIQUID CAN CAUSE SEVERE EYE IRRITANT, AND VAPORS CAN CAUSE

MILD TO MODERATE IRRITATION BASED ON COMPONENT TESTING. SKIN: NO DATA. PRODUCT EXPECTED TO BE AN IRRITANT BASED ON COMPONENT TESTING. SENSITIZATION: NO DATA. INGESTION: THIS PRODUCT MAY BE AN INGESTION HAZARD. IF ASPIRATED INTO THE LUNGS, CAN CAUSE PNEUMONITIS. INHALATION: PRODUCT IS EXPECTED TO BE TOXIC BY INHALATION BASED ON COMPONENT DATA.

First Aid: EYE-CHECK FOR & REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 MINS, KEEPING EYELIDS OPEN. COLD WATER MAY BE

USED. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL AID. SKIN- WASH IMMEDIATELY WITH PLENTY OF WATER. GENTLY & THOROUGHLY WASH CONTAMINATED SKIN WITH RUNNING WATER & NON-ABRASIVE SOAP. BE PARTICULARLY CAREFUL TO CLEAN FOLDS, CREVICES, CREASES & GROIN. COVER SKIN WITH AN EMOLIENT. IF IRRITATION PERSISTS, SEEK MEDICAL AID. INHALATION-ALLOW VICTIM TO REST IN A WELL VENTILATED AREA. SEEK IMMEDIATE MEDICAL AID. INGESTION-DO NOT INDUCE VOMITING. IMMEDIATELY GIVE

2 GLASSES OF WATER, CALL A PHYSICIAN.

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Handling and Disposal

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Spill Release Procedures: SMALL: ABSORB WITH AN INERT MATERIAL AND PUT THE SPILLED MATERIAL IN AN APPROPRIATE WASTE DISPOSAL.

Waste Disposal Methods: WASTE INFORMATION: RCRA CLASS D001. WASTE STREAM NOT AVAILABLE.

Handling And Storage Precautions: FLAMMABLE MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET

OR ROOM. KKEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. KEEP CABINET TIGHTLY CLOSED. KEEP IN A COOL, WELL-VENTILATED PLACE. GROUND ALL EQUIPMENT, CONTAINING MATERIAL. Other Precautions: A REFRIGERATED ROOM WOULD BE PREFERABLE FOR MATERIALS WITH A FLASH POINT < 37.8C. TO AVOID FIRE OR EXPLOSION, DISSIPATE STATIC ELECTRICITY DURING TRANSFER BY GROUNDING & BONDING CONTAINERS & EQUIPMEN T BEFORE TRANSFERRING MATERIAL. USE EXPLOSION-PROOF ELECTRICAL (VENTILATING, L IGH TING & MATERIAL HAN DLING) EQUIPMENT.

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Fire and Explosion Hazard Information
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Flash Point Method: CC

Flash Point: =5.C, 41.F

Autoignition Temp: =480.C, 896.F

Lower Limits: 1.2

Upper Limits: 7

Extinguishing Media: SMALL FIRE: USE DRY CHEMICAL POWDER. LARGE FIRE: CO2, DRY CHEMICAL OR ALCOHOL FOAM.

Fire Fighting Procedures: FLAMMABLE LIQUID, SOLUBLE OR DISPERSED IN WATER. FUMES

MAY SPREAD CONSIDERABLE DISTANCES AND FLASH BACK IF EXPOSED TO FLAME. THIS PRODUCT WILL FLOAT UPON WATER, SO SPRAY WATER IS NOT SUITABLE EXTINGUISHING AGENT AS IT MAY CAUSE ANY FIRE TO SPREAD.

Unusual Fire/Explosion Hazard: RISK OF EXPLOSION OF THE PRODUCT IN PRESENCE OF MECHANICAL IMPACT OR STATIC DISCHARGE: NOT AVAILAABLE.

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Control Measures
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Respiratory Protection: AT LEVELS UP TO 500PPM USE CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE, A SUPPLIED-AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS. AT UP TO 1000PPM USE A CHEMICAL CARTRIDGE RESPIRATOR, WITH A FULL FACEPIECE, HOOD OR HELMET OR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE.

Ventilation: PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR THRESHOLD LIMIT VALUE.

Protective Gloves: GLOVES.

Eye Protection: SPLASH GOGGLES.

Other Protective Equipment: LAB COAT. ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION.

Work Hygienic Practices: WASH CONTAMINATED CLOTHING BEFORE RESUING.

Supplemental Safety and Health: AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING VAPORS OR SPRAY MISTS.

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Physical/Chemical Properties
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HCC: F2

Boiling Point: =110.6C, 231

.1F
Vapor Pres: 22MMHG
Vapor Density: 0.88MG/M3
Spec Gravity: 0.866
PH: ACIDIC

Evaporation Rate & Reference: 2.24(TOULENE)
Solubility in Water: MODERATELY
Appearance and Odor: BLACK LIQUID; NO ODOR.
Percent Volatiles by Volume: 89

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Reactivity Data
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Stability Indicator: YES
Materials To Avoid: REACTIVE WITH OXIDIZING AGENTS. REACTS VIOLENTLY WITH
CHLORINE, PERMANGANATE AND DICHROMA
TE.

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Toxicological Information
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Toxicological Information: WARNING: THE LC50 VALUES HERUNDER ARE ESTIMATED ON
THE BASIS OF 4-HOUR EXPOSURE. ACUTE ORAL TOXICITY(LD50): 636 MG/KG [RAT].
(TOLUENE). ACUTE DERMAL TOXICITY (LD50): 14000 MG/KG [RABBIT]. (TOLUENE). A
CUTE TOXICITY OF THE GAS (LC50): 4000 PPM 4 HOUR(S) [RAT]. (TOLUENE).
CARCINOGENIC EFFECTS: CLASSIFIED A4 BY ACGIH, 3 BY
IARC [TOLUENE]. CLASSIFIED
= (PROVEN) BY NIOSH [CARBON BLACK]. CLASSIFIED 2B BY IARC [CARBON BLACK].
CLASSIFIED NONE BY OSHA [CARBON BLACK]. CLASSIFIED A4 BY ACGIH [CARBON
BLACK]. MUTAGENIC EFFECTS: NOT AVAILABLE. DEVELOPMENTAL TOXICITY: NOT
AVAILABLE. REPRODUCTIVE TOXICITY: NOT AVAILABLE.

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Ecological Information
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Ecological: ECOTOXICITY: NOT AVAILABLE. BOD5 AND COD: NOT AVAILA
BLE. PRODUCTS
OF BIODEGRADATION: POSSIBLE HAZARDOUS SHORT TERM DEGRADATION PRODUCTS ARE
NOT
LIKELY. HOWEVER, LONG TERM DEGRADATION PRODUCTS MAY ARIS E. TOXICITY OF THE
PRODUCTS OF BIODEGRADATION: THE PRODUCTS OF DEGRADATION ARE LESS TOXIC THAN
THE PRODUCT ITSELF. SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION: NOT
AVAILABLE.

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MSDS Transport Information
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Transport Informati

on: DOT: CLASS 3: FLAMMABLE LIQUID. SHIPPING NAME: TOLUENE
SOLUTION, 3, UN 1294, PG II.

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Regulatory Information
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Sara Title III Information: SARA 302/304/311/312 HAZARDOUS CHEMICALS: CARBON
BLACK. SARA 311/312 MSDS DISTRIBUTION - CHEMICAL INVENTORY - HAZARDOUS
IDENTIFICATION: CARBON BLACK: IMMEDIATE HEALTH HAZARD, DELAYED HEALTH HAZARD.
SA RA 313 TOXIC CHEMICAL NOTIFICATION AND
RELEASE REPORTING: TOLUENE 88.5%.
Federal Regulatory Information: OSHA: HAZARDOUS BY DEFINITION OF HAZARD
COMMUNICATION STANDARD (29 CFR 1910.1200). TSCA 8(B) INVENTORY: BLACK-OUT
BLACK. TSCA 8(A) PAIR: TOLUENE.
CERCLA: HAZARDOUS SUBSTANCES: TOLUENE: 1000 LBS. (453. 6 KG).
State Regulatory Information: CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS
THE FOLLOWING INGREDIENTS FOR WHICH THE STATE OF CALIFORNIA HAS FOUND TO
CAUSE BIRTH DEFECTS WHICH WOULD REQUIRE A WARNING UNDER THE STATU
E: TOLUENE.
R HODE ISLAND RTK HAZARDOUS SUBSTANCES: CARBON BLACK. PENNSYLVANIA RTK:
TOLUENE; CARBON BLACK: (GENERIC ENVIRONMENTAL HAZARD). FLORIDA: TOLUENE.
MINNESOTA: TOLUENE; CARBON BLACK. MICHIGAN CRITICAL MATER IAL: TOLUENE.
MASSACHUSETTS RTK: TOLUENE, CARBON BLACK. NEW JERSEY: TOLUENE; CARBON BLACK.
NEW JERSE Y SPILL LIST: CARBON BLACK.

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Other Information
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Other Informati
on: EMERGENCY OVERVIEW: BLACK FLAMMABLE LIQUID. HARMFUL IF
INHALED. EYE AND SKIN IRRITANT. MAY BE AN INGESTION AND ASPIRATION HAZARD.
HCS CLASSIFICATION: CLASS: FLAMMABLE LIQUID HAVING A FLASH POINT LOWER THAN
37.8C. CLASS: TOXIC. CLASS: IRRITATING SUBSTANCE.

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Transportation Information
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Responsible Party Cage: 8F790
Trans ID NO: 153205
Product ID: 07209, BLACK-OUT BLACK
MSDS Pre
pared Date: 05/04/2000
Review Date: 05/25/2000
MFN: 1
Net Unit Weight: 7.3 LBS
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: GL
Container QTY: 0
Type Of Container: CONTAINER

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Detail DOT Information
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DOT PSN Code: OJY
DOT Proper Shipping Name: TOLUENE
Hazard Class: 3
UN ID Num: UN1294
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: T1
Packaging Exception: 150
Non

Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B

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Detail IMO Information
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IMO PSN Code: OSR
IMO Proper Shipping Name: TOLUENE
IMDG Page Number: 3285
UN Number: 1294
UN Hazard Class: 3.2
IMO Packaging Group: II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: 310

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Detail IATA I
nformation
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IATA PSN Code: YEL
IATA UN ID Num: 1294
IATA Proper Shipping Name: TOLUENE
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

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Detail AFI Information
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AFI PSN Code: YEL
AFI Proper Shipping Name: TOLUENE
AFI Haza
rd Class: 3
AFI UN ID NUM: UN1294
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

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HAZCOM Label
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Product ID: 07209, BLACK-OUT BLACK
Cage: 8F790
Company Name: R.T. VANDERBILT COMPANY, INC
Street: 30 WINFIELD STREET
City: NORWALK CT
Zipcode: 06855
Health Emergency Phone: 203-853-1400
Label Required IND: Y
Date Of Label Review: 05/25/2000
Status Code: A
Year Procured

: 2000
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Severe
Reactivity Hazard: None

Hazard And Precautions: EYE: NO DATA AVAILABLE. CONTACT WITH LIQUID CAN CAUSE SEVERE EYE IRRITANT, AND VAPORS CAN CAUSE MILD TO MODERATE IRRITATION BASED ON COMPONENT TESTING. SKIN: NO DATA. PRODUCT EXPECTED TO BE AN IRRITANT BASED ON COMPONENT TESTING. SENSITIZATION: NO DATA
. INGESTION: THIS PRODUCT MAY BE AN INGESTION HAZARD. IF ASPIRATED INTO THE LUNGS, CAN CAUSE PNEUMONITIS. INHALATION: PRODUCT IS EXPECTED TO BE TOXIC BY INHALATION BASED ON COMPONENT DATA.

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