

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

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

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

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

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 C  
T 06855  
Phone: 203-853-1400

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

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

=====  
Ingredients  
=====

Name: \*\*\* PROPRIETARY \*\*\*

---

-----  
=====

Health Hazards Data

=====

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.

=====

Handling and Disposal

=====

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. KEEP 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 & EQUIPMENT BEFORE TRANSFERRING MATERIAL. USE EXPLOSION-PROOF ELECTRICAL (VENTILATING, LIGHTING & MATERIAL HANDLING) EQUIPMENT.

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

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.

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

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.

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

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

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

Stability Indicator: YES  
Materials To Avoid: REACTIVE WITH OXIDIZING AGENTS. REACTS VIOLENTLY WITH  
CHLORINE, PERMANGANATE AND DICHROMAT  
E.

=====  
Toxicological Information  
=====

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 I  
ARC [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.

=====  
Ecological Information  
=====

Ecological: ECOTOXICITY: NOT AVAILABLE. BOD5 AND COD: NOT AVAILAB  
LE. 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.

=====  
MSDS Transport Information  
=====

Transport Informatio

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

=====  
Regulatory Information  
=====

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 STATUE : 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.

=====  
Other Information  
=====

Other Informatio  
n: 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.

=====  
Transportation Information  
=====

Responsible Party Cage: 8F790  
Trans ID NO: 153205  
Product ID: 07209, BLACK-OUT BLACK  
MSDS Prep  
ared 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

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

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

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

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

=====  
Detail IATA In  
formation  
=====

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

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

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

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

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.

=====

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. 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.