SPARTAN CHEMICAL COMPANY INC -- TERRA GLAZE -- 7930-00F018165

========= Product Identification ============

Product ID:TERRA GLAZE MSDS Date:01/12/1990

FSC:7930

NIIN:00F018165

=== Responsible Party ===

Company Name: SPARTAN CHEMICAL COMPANY INC

Address:110 NORTH WESTWOOD AVENUE

City:TOLEDO State:OH ZIP:43607

Info Phone Num: (419) 531-5551 Emergency Phone Num: (419) 531-5551 Preparer's Name: THOMAS J. MITCHELL

CAGE:23212

=== Contractor Identification ===

Company Name: SPARTAN CHEMICAL CO INC. IPG INDUSTRIAL PRODUCTS GROUP

Address:110 N WESTWOOD AVE

Box:City:TOLEDO

State:OH ZIP:43607 Country:US

Phone: 800-537-8990/419-531-5551

CAGE:23212

====== Composition/Information on Ingredients ========

Ingred Name:DIBUTYL PHTHALATE (SARA III)

CAS:84-74-2

RTECS #:TI0875000 Fraction by Wt: 1.6% Other REC Limits:5 MG/CUM OSHA PEL:5 MG/M3 ACGIH TLV:5 MG/M3; 9192

EPA Rpt Qty:10 LBS DOT Rpt Qty:10 LBS

Ingred Name:DIETHYLENE GLYCOL ETHYL ETHER, CARBITOL, CARBITOL

CELLOSOLVEETHOXY DIGLYCOL

CAS:111-90-0 RTECS #:KK8750000 Fraction by Wt: 6.5%

======== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: INHALATION: IRRITATION OF RESPIRATORY TRACT, HEADACHE, & NAUSEA. EYES: IRRITATION.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: INHALATION: IRRITATION OF RESPIRATORY TRACT, HEADACHE, & NAUSEA. EYES: IRRITATION.

First Aid:EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP & WATER. INGESTION: DRINK LARGE QUANTITY OF WATER. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES. ========= Fire Fighting Measures ============== Flash Point Method: COC Flash Point: NONE ======== Accidental Release Measures ============= Spill Release Procedures: FLUSH W/WATER THROUGH SANITARY SEWER SYSTEM. ============== Handling and Storage ================== Handling and Storage Precautions: KEEP FROM FREEZING. USE ONLY IN ADEQUATE VENTILATION. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: AS REQUIRED. Ventilation: GENERAL FOR MOST CONDITIONS & LOCAL EXHAUST FOR SOME OPERATIONS. Protective Gloves: IMPERVIOUS Eye Protection: SAFETY GLASSES Other Protective Equipment: AS NECESSARY Supplemental Safety and Health THIS PRODUCT CONTAINS CHEMICALS THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW ACT OF 1986. PERCENT SOLID BY WT: 24-26%. ======= Physical/Chemical Properties ========= Boiling Pt:B.P. Text:210F Vapor Pres:18 Spec Gravity: 1.029 pH:8-8.5 Evaporation Rate & Reference: (BU AC = 1): <1 Solubility in Water: COMPLETE Appearance and Odor: MILKY EMULSION LIQUID W/ACRYLIC ODOR. ======= Stability and Reactivity Data ========= Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid: FREEZING

Waste Disposal Methods: FLUSH W/WATER THROUGH SANITARY SEWER SYSTEM IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.