View NSN Online: https://aerobasegroup.kr/nsn/6810-00-281-2685 PHIPPS PRODUCTS CORP. -- N-BUTANOL -- 6810-00-281-2685 ============ Product Identification ========================= Product ID:N-BUTANOL MSDS Date:12/31/1988 FSC:6810 NIIN:00-281-2685 MSDS Number: BPNYN === Responsible Party === Company Name: PHIPPS PRODUCTS CORP. Address: 186 LINCOLN STREET SUITE 502 City:BOSTON State:MA ZIP:02111-2403 Country:US Info Phone Num: COMPANY OUT OF BUSINESS **Emergency Phone Num: COMPANY OUT OF BUSI NESS** CAGE:86511 === Contractor Identification === Company Name: PHIPPS PRODUCTS CORP Address: 186 LINCOLN ST SUITE 502 Box:City:BOSTON State:MA ZIP:02111-2403 Country:US Phone: OUT OF BUSINESS CAGE:86511

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

Ingred Name: N-BUTYL ALCOHOL (SARA III)

CAS:71-36-3

RTECS #:EO1400000 Fraction by Wt: 99.8%

Other REC Limits: NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9293

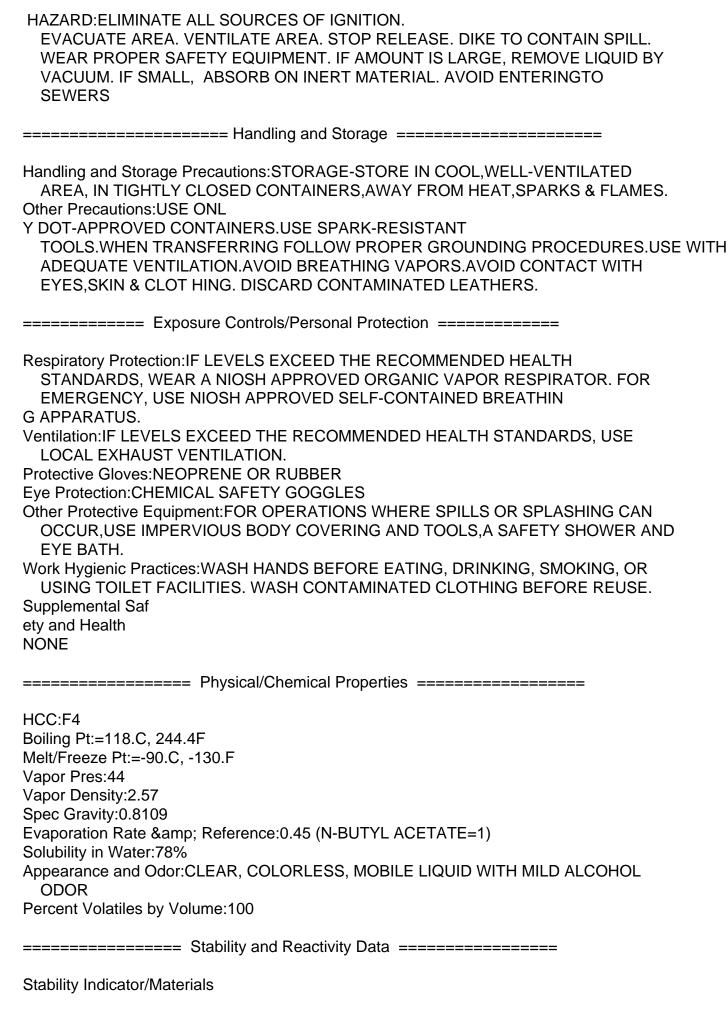
EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

==== Hazards Identification ===========
LD50 LC50 Mixture:ORAL LD50 (RAT) IS 2500 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE-INHALATION:CAUSES IRRITATION OF NASAL PASSAGES,NAUSEA,DIZZINESS,HEADACHE.MAY CAUSE HEARING IMPAIRMENT.EYE:CAN CAUSE SEVERE INJURY-DAMAGE REVERSIBLE.SKIN:CAN CAUSE MODERATE INJURY. SLIGHTLY TOXIC TO ANIMALS BY ABSORPTION.INGESTION:CAUS ES MOUTH & THROAT IRRITATION,NAUSEA,HEADACHE,DIZZINESS.CHRONIC-NO INFORMATION. Effects of Overexposure:SNEEZING, COUGHING, NAUSEA, HEADACHE, DIZZINESS, REDNESS OF SKIN. Medical Cond Aggravated by Exposure:SIGNIFICANT EXPOSURE TO THIS
CHEMICAL MAY ADVERSELY AFFECT PEOPLE WITH CHRONIC DISEASE OF THE RESPIRATORY SYSTEM, SKIN AND/OR EYES.
======================================
First Aid:INGESTION:IF CONSCIOUS, INDUCE VOMITING BY GIVING TWO GLASSES
OF WATER. INHALATION:REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT, PROVIDE CARDIOPULMONARY SUPPORT/OXYGEN. EYE:FLUSH WITH WATER FOR 15 MINUTES. SKIN:WASH WITH LARGE AMOUNT OFWATER. IN ALL CASES, SEEK MEDICAL HELP.
======================================
Flash Point Method:TCC Flash Point:84.0F,28.9C Lower Limits:1.4 Upper Limits:11.2
Extinguishing Media:USE CO2/DRY CHEMICAL FOR SMALL FIRES. ALCOHOL-TYPE AQUEOUS FILM-FORMING FOAM/WATER SPRAY FOR
LARGE FIRES. Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO COOL CONTAINERS.

Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK MATERIAL CREATES A SPECIAL HAZARD BECAUSE IT FLOATS ON H2O.

======== Accidental Release Measures ===========

Spill Release Procedures:FIRE



to Avoid:YES
OXIDIZING AGENTS SUCH AS HYDROGEN PEROXIDE, NITRIC ACID, PERCHLORIC
ACID OR CHROMIUM TRIOXIDE

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: CARBON MONOXIDE

5000LBS.

======= Disposal Considerations ============

Waste Disposal Methods:THIS PRODUCT WHEN SPILLED OR DISPOSED IS A HAZARDOUS SOLID WASTE AS DEFINED IN RESOURCE CONSERVATION RECOVERY ACT REGULATIONS(40CFR261).PREFERRED METH OD IS INCINERATION OR

BIOLOGICAL TREATMENT IN FEDE RAL/STATE APPROVED FACILITY. RQ IS

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.