

BETZDEARBORN INC. -- PROGARD SPC -- 6850-01-429-9840

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

Product ID:PROGARD SPC

MSDS Date:04/27/2000

FSC:6850

NIIN:01-429-9840

Status Code:A

MSDS Number: CLNFY

=== Responsible Party ===

Company Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

City:TREVOSE,

State:PA

ZIP:19053

Country:US

Info Phone Num:215-942-3355

Emergency Phone Num:800-877-1940 (USA)

Preparer's Name:NOT PROVIDED

CAGE:57394

=== Contractor Identification ===

Comp

any Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

City:TREVOSE,

State:PA

ZIP:19053

Country:US

Phone:215-942-3355

CAGE:57394

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-ZH36

CAGE:0PGK2

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-ZH37

CAGE:0PGK2

===== Compositio

n/Information on Ingredients =====

Ingred Name:PROPYLENE GLYCOL (HIGH VOC)  
CAS:57-55-6  
RTECS #:TY2000000  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT DETERMINED  
ACGIH TLV:NOT DETERMINED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 20,000 MG/KG  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: NO EVIDENCE OF  
POTENTIAL CHRONIC EFFECTS. ACUTE SKIN EFFECTS: PRIMARY ROUTE OF  
EXPOSURE; MAY CAUSE SLIGHT IRRITATION TO THE SKIN. ACUTE EYE  
EFFECTS : MAY CAUSE MODERATE IRRITATION TO THE EYES. ACUTE  
RESPIRATORY EFFECTS: VAPORS, GASES, MISTS AND/OR AEROSOLS MAY CAUSE  
IRRITATION TO UPPER RESPIRATORY TRACT. INGESTION EFFECTS: MAY CAUSE  
SLIGHT GASTROINTESTINAL IRRITATION WITH POSSIBLE NAUSEA, VOMITING,  
DIARRHEA, INCOORDINATION, MENTAL CONFUSION, DIZZINESS, AND  
LETHARGY.  
Explanation of Carcinogenicity:NO COMPONENT IS CONSIDERED TO BE A  
CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL  
AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND  
HEALTH ADMINISTRATION AT OSHA THRESHOLDS FOR CARCINOGENS.  
Effects of Overexposure:MAY CAUSE REDNESS OR ITCHING OF SKIN.  
Medical Cond Aggravated by Exposure:NOT KNOWN.

===== First Aid Measures =====

First Aid:SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE  
CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS  
OR PERSISTS. EYE CONTACT: REMOVE CONTACT LENSES. HOLD EYELIDS  
APART. IMMEDIATELY FLUSH EYES WITH PLENTY OF LOW-PRESSURE WATER  
FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.  
INHALATION: IF NASAL, THROAT, OR LUNG IRRITATION DEVELOPS, REMOVE  
TO FRESH AIR AND GET MEDICAL ATTENTION. INGESTION: DO NOT FEED  
ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSIVE VICTIM. DO NOT  
INDUCE VOMITING. IMMEDIATELY CONTACT

T PHYSICIAN. DILUTE CONTENTS OF  
STOMACH USING 3-4 GLASSES MIL K OR WATER.

===== Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:>93.3C, 200.F

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM, OR WATER.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR POSITIVE PRESSURE  
SELF-CONTAINED BREATHING APPARATUS (FULL FACE-PIECE TYPE).

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

=====

Spill Release Procedures:VENTILATE AREA. USE PROTECTIVE EQUIPMENT.

CONTAIN AND ABSORB ON ABSORBENT. PLACE IN CONTAINER. FLUSH AREA  
WITH WATER. WET AREA MAY BE SLIPPERY. SPREAD SAND/GRIT.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:HANDLING: NORMAL CHEMICAL HANDLING.

STORAGE: KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN COOL  
VENTILATED LOCATION. STORE AWAY FROM OXIDIZERS.

Other

Precautions:NOT PROVIDED

===== Exposure Controls/Personal Protection =====

Respiratory Protection:A RESPIRATORY PROGRAM THAT MEETS OSHA'S 29 CFR  
1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER  
CONDITIONS WARRANT A RESPIRATOR'S USE. USE AIR PURIFYING  
RESPIRATORS WITHIN USE LIMITATION S ASSOCIATED WITH THE EQUIPMENT  
OR ELSE USE SUPPLIED AIR-RESPIRATORS. IF AIR-PURIFYING RESPIRATOR  
USE IS APPROPRIATE, USE A RESPIRATOR WITH DUST/MIST FILTERS.

V

entilation:ADEQUATE VENTILATION.

Protective Gloves:NEOPRENE GLOVES-WASH OFF AFTER EACH USE. REPLACE AS  
NECESSARY.

Eye Protection:SPLASH PROOF CHEMICAL GOGGLES.

Other Protective Equipment:USE PROTECTIVE EQUIPMENT IN ACCORDANCE WITH  
29 CFR 1910 SUBPART I.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

PRODUCT NAME: PROGARD SPC. PRODUCT APPLICATION AREA: REVERSE OSMOSIS  
MEMBRANE LAY-UP TREATMENT.

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

HCC:V5  
Boiling Pt:B.P. Text:NOT PROVIDED  
Melt/Freeze Pt:=-59.4C, -75.F  
Decomp Temp:Decomp Text:NOT PROVIDED  
Vapor Pres:0.1MM HG  
Vapor Density:2.60  
Spec Gravity:1.038  
pH:6.0 (5% SOL)APP  
Viscosity:60CPS @ 70F  
Evaporation Rate & Reference:3,000 MG/KG.

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

Ecological:AQUATIC TOXICOLOGY: NO DATA AVAILABLE. BIODEGRADATION: NO DATA AVAILABLE.

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

Waste Disposal Methods:WATER CONTAMINATED WITH THIS PRODUCT MAY BE SENT TO A SANITARY SEWER TREATMENT FACILITY, IN ACCORDANCE WITH ANY LOCAL AGREEMENT, A PERMITTED WASTE TREATMENT FACILITY OR DISCHARGED UNDER NPDES PERMIT. PRODUCT AS IS: INCINERATE OR LAND DISPOSE IN AN APPROVED LANDFILL.

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

Transport Information:DOT HAZARD: NOT APPLICABLE. UN/NA NUMBER: NOT APPLICABLE. DOT EMERGENCY RESPONSE GUIDE #: NOT APPLICABLE.

===

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

SARA Title III Information:SARA SECTION 312 HAZARD CLASS: IMMEDIATE (ACUTE). SARA SECTION 302 CHEMICALS: NO REGULATED CONSTITUENT PRESENT AT OSHA THRESHOLDS. SARA SECTION 313 CHEMICALS: NO REGULATED CONSTITUENT PRESENT AT OSHA THRESHOLDS.

Federal Regulatory Information:TSCA: ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY. CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ): NO REGULATED CONSTITUENT

PRESENT AT OSHA THRESHOLDS.

State Regulatory Information: CALIFORNIA SAFE DRINKING WATER AND TOXIC  
ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT: NO REGULATED  
CONSTITUENT PRESENT AT OSHA THRESHOLDS. MICHIGAN REGULATORY  
INFORMATION: NO REGULATED CONSTITUENT PRESENT AT OSHA THRESHOLDS.

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

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.