

B&B CHEMICAL COMPANY,INC. -- B & B 178 PLUS NP -- 8010-00-545-3508

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

Product ID:B & B 178 PLUS NP

MSDS Date:01/01/1987

FSC:8010

NIIN:00-545-3508

MSDS Number: BPRHH

=== Responsible Party ===

Company Name:B&B CHEMICAL COMPANY,INC.

Address:875 WEST 20TH. STREET,

City:HIALEAH

State:FL

ZIP:33010

Country:US

Info Phone Num:305-888-5247

Emergency Phone Num:305-888-5247

CAGE:21361

=== Contractor Identification ===

Company Name:B & B TRI

TECH, INC.

Address:875 WEST 20TH. STREET,

Box:City:HIALEAH

State:FL

ZIP:33010-2310

Country:US

Phone:305-888-5247

CAGE:21361

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

Ingred Name:DICHLOROMETHANE (METHYLENE CHLORIDE) (SARA III)

CAS:75-09-2

RTECS #:PA8050000

Other REC Limits:NONE SPECIFIED

OSHA PEL:500 PPM

ACGIH TLV:50 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:FORMIC ACID (SARA III)

CAS:64-18-6

RTECS #:LQ4900000

Other REC Limits:NONE SPECIFIED

OSHA PEL

:5 PPM  
ACGIH TLV:5 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:DISTILLATE (PETROLEUM) CATALYTIC REFORMER FRACTIONATOR  
RESIDUE LOW BOILING  
Other REC Limits:\*2000PPM (5 MIN/2HR)  
OSHA PEL:1000 PPM CEIL/\* PEAK

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

Reports of Carcinogenicity:NTP:YES IARC:YES  
Health Hazards Acute and Chronic:INHAL: OVEREXPOSURE MAY CAUSE 1)  
DIZZINESS, HEADACHE, NAUSEA, 2) CENTRAL NERV SYSTEM DEPRESSION, 3)  
ELEVATED CARBOXY  
HEMOGLOBIN LEVELS MAY CONTRIBUTE TO STRESS ON  
CARCIOVASCULAR SYSTEM, 4) LIVER, KIDNE Y DAMAGE. SKIN: IRRIT.  
OVEREXPOSURE MAYCAUSE BURNS. EYES: BURNS, DAMAGE. FORMIC  
ACID-LIMITED EVIDENCE OF MUTAGENECITY.  
Explanation of Carcinogenicity:DICHLOROMETHANE: NTP (ANIMAL  
CARCINOGEN), IARC: (LIMITED EVIDENCE ANIMAL CARCINOGEN), ACGIH: A2  
SUSPECTED HUMAN CARCIN.

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

First Aid:INGESTION: DO NOT INDUCE VOMITING. GET MEDIC  
AL ATTENTION.  
DERMAL: FLUSH WITH SOAP AND WATER. EYE CONTACT: FLUSH WITH PLENTY  
OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.  
INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL  
RESPIRATION.

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

Flash Point Method:COC  
Flash Point:NONE TO BOIL  
Extinguishing Media:FOAM, CO2, DRY CHEMICAL  
Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT  
Unusual Fire/Explosion Hazard:TOXIC & ACIDIC VAPORS

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

Spill Release Procedures:MOP, SQUEEGEE, INDUSTRIAL VACUUM. AVOID OPEN FLAMES. AVOID CONTACT WITH SKIN & EYES. AVOID BREATHING VAPOR.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP DRUMS CLOSED WHEN NOT IN USE. AVOID CONTACT WITH SKIN, EYES & CLOTHING. AVOID BREATHING VAPORS.

Other Precautions:KEEP LID ON TANK  
WHEN NOT ADDING OR REMOVING PARTS.

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

Respiratory Protection:WHEN PERMISSIBLE EXPOSURE LIMITS MAY BE EXCEEDED USE NIOSH APPROVED AIR PURIFYING RESPIRATORS OR NIOSH APPROVED SUPPLIED AIR RESPIRATOR FOR ORGANIC VAPORS IN ACCORDANCE WITH OSHA 29 CFR 1910.134.

Ventilation:DO NOT USE IN CLOSED OR CONFINED SPACES. OPEN DOORS/WINDOWS. USE VENTILATION TO MAINTAIN EXPOSURE LIMITS BELOW 50 PPM.

Protective Gloves:CHEMICAL GLOVES

Eye Protection:SAFETY GOGGLES, FACE SHIELD

Other Protective Equipment:FULL CHEMICAL/ACID SUIT, CHEMICAL BOOTS, APRON. EQUIPMENT MAY VARY WITH ACTUAL USAGE.

Supplemental Safety and Health

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

HCC:T6

Boiling Pt:B.P. Text: 100F, 38C

Spec Gravity:1.23

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:PARTIAL

Appearance and Odor:LIQUID, CHLORINATED SOLVENT ODOR

===== Stability and Reacti

vity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, STRONG ALKALIES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY YIELD  
HYDROGEN CHLORIDE, PHOSGENE (SMALL AMOUNTS).

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS.

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