

PRECISION BRAND PRODUCTS, INC. -- PRECISION BLUE LAYOUT FLUID-BRUSH CAP --  
6850-00-985-6227

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

Product ID:PRECISION BLUE LAYOUT FLUID-BRUSH CAP

MSDS Date:07/19/1999

FSC:6850

NIIN:00-985-6227

MSDS Number: CJZCX

=== Responsible Party ===

Company Name:PRECISION BRAND PRODUCTS, INC.

Address:2250 CUTRISS STREET

City:DOWNERS GROVE

State:IL

ZIP:60515-4009

Info Phone Num:6

30-969-7200

Emergency Phone Num:1-800-424-9300

Preparer's Name:L. MASTERS

Chemtrec Ind/Phone:(800)424-9300

CAGE:9C303

=== Contractor Identification ===

Company Name:PRECISION BRAND PRODUCTS, INC.

Address:2250 CUTRISS STREET

Box:City:DOWNERS GROVE

State:IL

ZIP:60515-4009

Phone:630-969-7200

CAGE:9C303

Company Name:TELECHEM INTERNATIONAL, INC

Address:524 E WEDDELL DRIVE SUITE 3

Box:City:SUNNYVALE

State:CA

ZIP:94089-2115

Country:US

Phone:916-941-3688

Contract Num:SP0450-00-M-D437

CAGE:1KH20

Company

Name:TELECHEM INTERNATIONAL, INC  
Address:524 E WEDDELL DRIVE SUITE 3  
Box:City:SUNNYVALE  
State:CA  
ZIP:94089-2115  
Country:US  
Phone:916-941-3688  
Contract Num:SPO450-01-M-D656  
CAGE:1KH20

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

Ingred Name:ETHANOL  
CAS:64-17-5  
RTECS #:KQ6300000  
Minumum % Wt:31.  
Maxumum % Wt:50.  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:1900 MG/M3;1000 PPM  
ACGIH TLV:1000 PPM

Ingred Name:BUTYL ACETATE  
CAS:123-86-4  
RTECS #:AF7350000  
Minumum % Wt:31.  
Maxumum  
% Wt:50.  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:150 PPM  
OSHA STEL:200 PPM  
ACGIH TLV:150 PPM  
ACGIH STEL:200 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPANOL  
CAS:67-63-0  
RTECS #:NT8050000  
Minumum % Wt:1.  
Maxumum % Wt:5.  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM  
ACGIH STEL:500 PPM

Ingred Name:NITRON (NITROCELLULOSE)  
CAS:9004-70-0  
RTECS #:QW0970000  
Minumum % Wt:1.  
Maxumum % Wt:5.  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ES

TABLISHED.

Ingred Name:NORMAL BUTYL ALCOHOL, 1-BUTANOL

CAS:71-36-3

RTECS #:EO1400000

Minumum % Wt:1.

Maxumum % Wt:5.

Other REC Limits:NOT PROVIDED.

OSHA PEL:50 PPM CEILING SKIN

ACGIH TLV:50 OOM CEILING SKIN

ACGIH STEL:C152 MG/M3;C50 PPM

Ingred Name:NORMAL PROPYL ACETATE

CAS:109-60-4

RTECS #:AJ3675000

Minumum % Wt:1.

Maxumum % Wt:5.

Other REC Limits:NOT PROVIDED.

OSHA PEL:1000 PPM

ACGIH TLV:835 MG/M3;200 PPM

ACGIH STEL:1040 MG/M3;250 PPM

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: MODERATE IRRITANT. SKIN:

MODERATE IRRITANT. INHALATION: HIGH CONCENTRATIONS OF VAPORS MAY PRODUCE IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, DIZZINESS, AND NAUSEA. INGESTION: SIMILAR TO INHA LATION. CHRONIC: PROLONGED REPEATED OVEREXPOSURE TO THIS PRODUCT MAY LEAD TO SKIN SENSITIZATION OF DERMATITIS.

Explanation of Carcinogenicity:NTP CARCINOGEN: NO . IARC MONOGRAPH

S:

NO. OSHA REGULATED: NO. ACGIH CARCINOGENICITY: NO.

Effects of Overexposure:INHALATION: HIGH CONCENTRATIONS OF VAPORS MAY PRODUCE IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, DIZZINESS, & NAUSEA. SKIN & EYE: MODERATE IRRITATION. SKIN ABSORPTION: MODERATE IRRITANT. INGESTION : SYMPTOMS, NAUSEA & VOMITING. DO NOT INDUCE VOMITING. IF VOMITING OCCURS KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. CALL PHYSICIAN IMMEDIATELY.

Medical Cond Aggravated by Exp

osure:SKIN DISORDERS, RESPIRATORY  
DISORDERS.

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

First Aid:EYES: FLUSH WELL WITH WATER. CONTACT A PHYSICIAN IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP AND WATER. INHALATION: REMOVE PATIENT TO FRESH AIR, IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

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

Flash Point Method:CC  
Flash Point:=-11.7C, 53.F  
Lower Limits:1.38  
Upper Limits:12  
Extinguishing Media:CO2, DRY CHEMICAL, FOAM. NO WATER. NO ALCOHOL FOAM.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.  
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND, OR BE MOVED BY VENTILATION AND BE IGNITED BY IGNITION SOURCE.

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

Spill Release Procedures:PREVENT SKIN AND EYE CONTACT. USE NON-COMBUSTIBLE MATERIAL TO CONFINE AND/OR ABSORB. ELIMINATE IGNITION SOURCES. VENTILATE AREA.  
Neutralizing Agent:NOT RELEVANT.

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

Handling and Storage Precautions:EMPTY CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, SPARKS, FLAMES, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION, USE WITH ADEQUATE VENTILATION.  
Other Precautions:WARNING: MANY HOT ORGANIC CHEMICAL VAPORS OR MISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED WITH AIR, IGNITION MAY OCCUR AT TEMPERATURES BELOW THOSE PUBLISHED IN THE LITERATURE AS " AUTOIGNITION" OR "IGNITION" TEMPERATURES. IGNITION TEMPERATURES DECREASE WITH INCREASING VAPOR VOLUME.

=====  
===== Exposure Controls/P

Personal Protection =====

Respiratory Protection:NONE REQUIRED FOR NORMAL USE WITH ADEQUATE VENTILATION. IN POORLY VENTILATED AREAS, USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:LOCAL EXHAUST IS RECOMMENDED FOR CONFINED AREAS. GENERAL MECHANICAL VENTILATION IS ADEQUATE FOR NORMAL USE.

Protective Gloves:CHEMICAL RESISTANT RUBBER GLOVES, SUCH AS POLYVINYL CHLORIDE-COATED

Eye Protection:SAFETY GLASSES. SPLASH PROOF GOGGLES.

Other Protective Equipment:EYE BATH AND SAFETY SHOWER. OTHER PROTECTIVE GEAR AS REQUIRED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:FOLLOW CURRENT H.M.I.S. REGULATIONS.

Supplemental Safety and Health

PRODUCT CODES: 50141, 50140, 50181, 50180. D-U-N-S: 09-646-0860.

H.M.I.S. RATING: HEALTH-FLAMMIBILITY-REACTIVITY-PROTECTIVE

EQUIPMENT: 2-3-1-B. H.M.I.S. SCALE: 1=MINIMAL, 2=MODERATE, 3=HIGH, 4=EXTREME .

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT.

Bo

Boiling Pt:B.P. Text:163F - 275F

Vapor Density:>1

Spec Gravity:0.84

VOC Grams/Liter:6.27

Evaporation Rate & Reference:>1 (N-BUAC=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:BLUE TRANSPARENT LOW VISCOSITY LIQUID WITH SWEET SOLVENT ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HEAT, SPARKS, AND OPEN FLAMES.

Hazardous Decomposition Products:OXIDES OF CARBON

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

Toxicological Information:POLYAMIDE RESIN: LD50 (ORAL, RAT) > 15,000  
MG/KG; C.I. BASIC GREEN 4: LD50 (ORAL, RAT) 275 MG/KG; BUTANOL:  
LD50 (ORAL, RAT) 2500 MG/KG AND DERMAL LD50 (RABBIT): 4.2 G/KG;  
BUTYL ACETATE LD50 (ORAL, RAT ) 14,000 MG/KG AND INHALATION LC50:  
6335 PPM

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

Ecological:NOT PROVIDED.

===== Disposal Consideration

s =====

Waste Disposal Methods:REMOVE TO A WASTE DISPOSAL FACILITY OPERATING IN  
COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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

Transport Information:PROPER SHIPPING NAME: PAINT, 3, UN1263.PG II  
(CONTAINERS