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Barnes Distribution

**1301 E. 9th Street, #700
Cleveland OH 44114
(800) 726-9626**



Material Safety Data Sheet

**MSDS Form No. : MSDS21939
Item No. : 21939**

**** MATERIAL SAFETY DATA SHEET ****

PRECISION PARTS CLEANER

Part # MSDS21939

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: PRECISION PARTS CLEANER

Product CAS: (none)

Product Code:

Synonyms: 21939; PRECISION PARTS CLEANER

Company Identification:

Name: BOWMAN DISTRIBUTION

Address: 1301 E. 9TH ST., ST. 700

Address:

City: CLEVELAND State: OH Zip: 44114

For information, call: HEALTH ISSUES AND TECHNICAL INFORMATION (8AM-5PM ET): 1-216-416-7200 X 5

60

Emergency Number: ROCKY MOUNTAIN POISON CONTROL CENTER (24 HOURS EVERYDAY): 1-303-623-5716

Emergency Agency: CHEMTREC (24 HOURS EVERYDAY)

Number: 1-800-424-9300

MSDS Creation Date: 1/1/2003

Supersedes Date: 2/2/2000

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	CAS	MIN	MAX
METHANOL	76-56-1	1	5
N-HEXANE	110-54-3	1	10
ISOHEXANES	107-83-5	80	90
CARBON DIOXIDE	124-38-9	2	5
PETROLEUM DISTILLATE	64742-48-9	1	10

Miscellaneous:

INGREDIENTS % BY WEIGHT

METHANOL 1-5

N-HEXANE 1-10

ISOHEXANES 80-90
 CARBON DIOXIDE 2-5
 PETROLEUM DISTILLATE 1-10

NOTE: SEE BELOW FOR EXPOSURE LIMIT DATA FOR THESE INGREDIENTS.

INGREDIENT	OSHA PEL	ACGIH TLV	OTHER LIMITS
METHANOL	200 PPM	200 PPM	
N-HEXANE	50 PPM	50 PPM	
ISOHEXANES	500 PPM	500 PPM	
CARBON DIOXIDE	10000 PPM	5000 PPM	
PETROLEUM DISTILLATE	400 PPM	N.D.	100 PPM

Lbs of VOC per Gallon Coating (minus water): 0
 Coating Density (lbs/gal): 0
 Solvent Density (lbs/gal): 0
 Percent Solvent (volume): 0
 Percent Solids (volume): 0
 Percent Water (volume): 0

**** SECTION 3 - HAZARDS IDENTIFICATION ****

NFPA: Health: 2 Fire: 3 Reactivity: 0 Other:
 HMIS: Health: 2 Fire: 3 Reactivity: 0 Special Protection: B

Miscellaneous:

EMERGENCY OVERVIEW

APPEARANCE AND ODOR: CLEAR LIQUID WITH ALCOHOL ODOR.

POTENTIAL HEALTH EFFECTS

Target Organs:

PRIMARY ROUTES OF EXPOSURE: INHALATION, SKIN CONTACT, EYES.

Eye:

HEALTH HAZARDS (ACUTE AND CHRONIC-INCLUDE ORGAN EFFECTS) - ACUTE: BURNING AND IRRITATION.

Skin:

HEALTH HAZARDS (ACUTE AND CHRONIC-INCLUDE ORGAN EFFECTS) - ACUTE: MILD IRRITATION.

Ingestion:

Inhalation:

HEALTH HAZARDS (ACUTE AND CHRONIC-INCLUDE ORGAN EFFECTS) - ACUTE: IRRITATION OF RESPIRATORY TRACT, DIZZINESS, HEADACHES, CENTRAL NERVOUS SYSTEM DEPRESSION.

CHRONIC: REPEATED OVEREXPOSURES MAY CAUSE HARM TO THE NERVOUS SYSTEM.

Miscellaneous:

CONDITIONS TO AVOID: N.D.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: PRE-EXISTING LUNG DISORDERS.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: SEE HEALTH HAZARDS.

**** SECTION 4 - FIRST AID MEASURES ****

Eye:

FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.

Skin:

WASH AREA THOROUGHLY WITH SOAP AND WATER.

Ingestion:

DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

Inhalation:

REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY.

Notes to Physician:

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Unusual Fire and Explosion Hazards:

AEROSOL CONTAINERS MAY EXPLODE WHEN HEATED ABOVE 120 F. VAPORS GENERATED ARE EXTREMELY FLAMMABLE.

E.

Special Fire Fighting Procedures:

NONE.

Extinguishing Media:

DRY CHEMICAL, FOAM, CO2.

Flash Point:

LT 0 F; METHOD USED: TCC.

Flammable Limits:

Lower Limit:

(%) LEL 1.7

Upper Limit:

(%) UEL 9.0

AutoIgnition Temperature:

General Information:

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

Disposal:

ALL USED AND UNUSED PRODUCT SHOULD BE DISPOSED OF IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

Spills/Leaks:

REMOVE SOURCES OF IGNITION. VENTILATE AREA. ABSORB SPILL WITH AN INERT ABSORBENT MATERIAL.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Storage:

STORE IN A COOL DRY AREA.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

LOCAL EXHAUST: N.D.

MECHANICAL: N.D.

Eyes:

SAFETY GLASSES.

Skin:

NEOPRENE GLOVES.

Clothing:

OTHER PROTECTIVE EQUIPMENT: NOT USUALLY REQUIRED.

Respirators:

SELF-CONTAINED BREATHING APPARATUS IF ACCUMULATION OF VAPORS IS SUSPECTED.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance/Odor:

CLEAR LIQUID WITH ALCOHOL ODOR.

pH: N.A.

Vapor Pressure: N.D., PSI: 40

Vapor Density: (AIR = 1): GT 1

Evaporation Rate: (BUTYL ACETATE =1): GT 1

Viscosity:

Boiling Point: 141 F

Freezing/Melting Point:

Decomposition Temperature:
 Solubility: IN WATER: NEGLIGIBLE
 Specific Gravity: .6699
 Molecular Formula:
 Molecular Weight:
 Miscellaneous:
 % SOLID BY WEIGHT: 0%

% VOLATILE BY VOLUME: 100%.

VOC (AS PACKAGED MINUS WATER): THEORETICAL: 5.5 LB/GAL.

MAX. % VOC. BY WT.: N.A.; METHOD USED: CALCULATED.

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
 STABLE

Conditions to Avoid:
 N.A.

Incompatibilities with Other Materials:
 STRONG OXIDIZERS AND STRONG ACIDS OR BASES.

Hazardous Decomposition Products:
 CO₂, CO (THERMAL).

Hazardous Polymerization:
 WILL NOT OCCUR.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Toxicological Information:
 CARCINOGENICITY: NONE

INGREDIENT	ACGIH	IARC	NTP	OSHA
METHANOL	NO	NO	NO	NO
N-HEXANE	NO	NO	NO	NO
ISOHEXANES	NO	NO	NO	NO
CARBON DIOXIDE	NO	NO	NO	NO
PETROLEUM DISTILLATE	NO	NO	NO	NO

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecological Information:
 NO DATA AVAILABLE.

**** SECTION 13 - OTHER PRECAUTIONS ****

Other Precautions:

AEROSOL CANS MAY EXPLODE WHEN HEATED ABOVE 120 F. USE PRODUCT IN AREAS WITH GOOD VENTILATION.

VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS.

Work/Hygienic Practices:

**** SECTION 14 - TRANSPORT INFORMATION ****

Transportation Information:

DOT SHIPPING NAME: CONSUMER COMMODITY.

HAZARD CLASS OR DIVISION: ORM-D.

CARTON MARKINGS: NONE.

IDENTIFICATION NUMBER: NONE.

PACKING GROUP: NONE.

LABELS: NONE.

Label Information:

**** SECTION 15 - REGULATORY INFORMATION ****

Regulatory Information:

TSCA STATUS: N.A.

NSR STATUS (CANADA): N.A.

SARA TITLE III: N.A.

HAZARD CATEGORIES:

ACUTE HEALTH: YES

CHRONIC HEALTH: YES

FIRE HAZARD: YES

PRESSURIZED GAS HAZARD: YES

REPORTABLE INGREDIENTS:

SECTION 302/303: NONE

SECTION 313: METHANOL.

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33): F003.

CERCLA RQ: NOT APPLICABLE.

CALIFORNIA PROPOSITION 65: N.A.

OSHA: N.A.

**** SECTION 16 - ADDITIONAL INFORMATION ****

Additional Information:

N.A. - NOT APPLICABLE N.D. - NOT DETERMINED N.E. - NOT ESTABLISHED

REVISION SUMMARY: THIS MSDS REPLACES THE MARCH 18, 1997 MSDS. PREPARED FEBRUARY 2, 2000.