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Material Safety Data Sheet

MSDS Form No. : 014411

Item No. :

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

HYDROFORCE GLASS CLEANER

Part # 014411

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

MSDS Name: HYDROFORCE GLASS CLEANER
 Product CAS: (none)
 Product Code:
 Synonyms: 014411; HYDROFORCE GLASS CLEANER
 Company Identification:
 Name: CRC Industries, Inc.
 Address: 885 Louis Drive
 Address:
 City: Warminster State: PA Zip: 18974
 For information, call: 215-674-4300
 Emergency Number: 800-424-9300
 Emergency Agency:
 Number:
 MSDS Creation Date: 12/2/2002
 Supersedes Date:

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

Chemical Name	CAS	MIN	MAX
WATER	7732-18-5	0	0
2-BUTOXY ETHANOL	111-76-2	0	0
ISOPROPYL ALCOHOL	67-63-0	0	0

Miscellaneous:

COMPONENT	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
WATER	7732-18-5	NE	NE	NE	>0
2-BUTOXY ETHANOL	111-76-2	25 PPM	25 PPM	(SKIN)	<0
ISOPROPYL ALCOHOL	67-63-0	400 PPM	400 PPM	NE	<0

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

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

NFPA: Health: 1 Fire: 0 Reactivity: 0 Other:
HMIS: Health: 1 Fire: 0 Reactivity: 0 Special Protection: B

POTENTIAL HEALTH EFFECTS

Target Organs:

Eye:
MAY CAUSE EYE IRRITATION. BURNING

Skin:
IRRITATION

Ingestion:
NA

Inhalation:
HEADACHE, MUCOUS MEMBRANE IRRITATION

Miscellaneous:

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

Eye:
FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.

Skin:
REMOVE CONTAMINATED CLOTHING AND WASH AREA WITH SOAP AND WATER

Ingestion:
INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

Inhalation:
REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.

Notes to Physician:

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

Unusual Fire and Explosion Hazards:

Special Fire Fighting Procedures:

REMOVE CONTAINERS FROM FIRE AREA IF POSSIBLE. USE SELF-CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING.

Extinguishing Media:

DRY CHEMICAL

Flash Point:

NONE

Flammable Limits:

Lower Limit:

ND

Upper Limit:

ND

AutoIgnition Temperature:

General Information:

METHOD: TCC

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

Disposal:

THIS MATERIAL IF DISCARDED MAY BE HAZARDOUS WASTE UNDER U.S. EPA RCRA REGULATIONS ALL DISPOSAL ACTIVITIES MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. CONTACT YOUR LOCAL STATE ENVIRONMENTAL AGENCY FOR SPECIFIC RULES.

Spills/Leaks:

AREA SHOULD BE VENTILATED. ABSORBENT SHOULD BE USED TO PICK UP EXCESS MATERIAL. ALL USED AND UNUSED PRODUCT SHOULD BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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

Handling:

STORE IN A COOL, DRY PLACE.

Storage:

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

Engineering Controls:

ADWQUATE TO PREVENT ACCUMULATION OF VAPORS. USE MECHANICAL MEANS IF NECESSARY TO MAINTAIN LEVELS BELOW THE EXPOSURE LIMITS. IF WORKING IN A CONFINED SPACE, FOLLOW APPLICABLE OSHA REGULATIONS.

Eyes:

Skin:

Clothing:

WEAR CHEMICALLY PROTECTIVE GLOVES AND SAFETY GLASSES. USE A SPLASH APRON AND BOOTS IF SPLASHING OCCURS.

Respirators:

USE NIOSH/MSHA COMPLIANT RESPIRATORS OR SELF-CONTAINED BREATHING APPARATUS ABOVE EXPOSURE LIMITS. FOLLOW OSHA REGULATIONS 29 CFR 1910.134.

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

Appearance/Odor:

CLEAR LIQUID, AMMONIA ODOR.

pH: NA

Vapor Pressure: ND

Vapor Density: WATER

Evaporation Rate: LIKE WATER

Viscosity:

Boiling Point: 212 DEG F

Freezing/Melting Point: ND

Decomposition Temperature:

Solubility: IN WATER

Specific Gravity: 0.9891

Molecular Formula:

Molecular Weight:

Miscellaneous:

VOLATILE ORGANIC COMPOUNDS: 6 G/L 59 LBS/GAL 0.49

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

Chemical Stability:
STABLE

Conditions to Avoid:
NA

Incompatibilities with Other Materials:
STRONG OXIDIZERS

Hazardous Decomposition Products:
NONE

Hazardous Polymerization:
NO

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

Toxicological Information:
LONG-TERM TOXICOLOGICAL STUDIES HAVE NOT BEEN CONDUCTED FOR THIS PRODUCT. SEE SECTION 3 OF THIS MSDS FOR ACUTE SYMPTOMS OF OVEREXPOSURE AND CARCINOGENICITY INFORMATION.

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

Ecological Information:
ECOTOXICITY: NO DATA AVAILABLE.
ENVIRONMENTAL FATE: NO DATA AVAILABLE FOR BIODEGRADATION.

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

Other Precautions:

Work/Hygienic Practices:

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

Transportation Information:
SHIPPING NAME: NOT REGULATED
HARARD CLASS: N/A
LABEL: N/A
SPECIAL PROVISIONS: N/A
UN NUMBER: N/A
PLACARD: N/A
PACKING GROUP: N/A

Label Information:

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

Regulatory Information:

TSCA: ALL COMPONENTS ARE EITHER LISTED UNDER TSCA OR ARE EXEEMPT.

SARA TITLE III: SECTION 311/312: NA

SECTION 313*: 2-BUTOXY ETHANOL

CERCLA/SUPERFUND (RQ) NA

EXTREMELY HAZARDOUS SUBSTANCES: NO

CALIFORNIA PROP 65: NO

*SEE SECION 2 FOR PERCENTAGE.

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

Additional Information: