

MATERIAL SAFETY DATA SHEET
(Similar to OSHA FORM 174)

N.A. = Not Applicable
Not Est. = Not Established
Prop. = Proprietary

Section 1 - Manufacturer / Distributor Information

Product Name 20X Glass and Window Cleaner Concentrate **Product #** 1325
Supplier's Name National Chemical Laboratories, Inc.
Supplier's Address 401 N. 10th Street, Philadelphia, PA 19123
HMIS Hazard Code **Health** 2 **Flammability** 3 **Physical Hazard** 0
Chemical Family Concentrated Glass Cleaner
DOT Shipping Name For transportation information please contact NCL at 1-215-922-1200.

Emergency Phone No (800) 255-3924
Chemical Name N.A. Proprietary Blend
Formula N.A. Blended Product
Hazard Class
PKG Group
DOT ID #

Section 2 - Hazardous Ingredients

CHEMICAL NAME	CAS NUMBER	% Concentration Range	ACGIH	Exposure Limit TLV/PEL
Isopropyl Alcohol	67-63-0	PROP.	400 ppm	400 ppm
2-Butoxyethanol*	111-76-2	PROP.	20 ppm	50 ppm
2-Amino Ethanol	141-43-5	PROP.	3 ppm	3 ppm

* Subject to reporting requirements of Section 313 of Title III of S.A.R.A.

Section 3 - Physical Data

Boiling Point (F) 180
Vapor Pressure = 30mm Hg @ 68°F
Vapor Density 2
Solubility in Water Complete
Appearance Thin, Clear, Dark Blue Liquid
Odor Alcohol and Ammonia
Flash Point (F) 76°F (TCC)

Specific Gravity 0.94 ± 0.01
Evaporation Rate (N-ButylAcetate = 1) 1.5
pH
pH(1)
pH(2)
VOC Content

Section 4 - Fire and Explosion Data

	Flammable Limits	Not Est.	LEL	UEL
Fire Fighting Equipment				
Extinguishing Media				
Unusual Fire Explosion Hazards	Respiratory protection required for fire fighting personnel. Stay upwind if possible. Cool exposed tanks with water. Water spray may be ineffective in fire fighting.			
Hazardous Combustion Products				

Section 5 - Health Hazard Data

Routes of Entry **Inhalation** **Skin** **Ingestion**

Effects of Over exposure Vapors irritate eyes, nose, throat and respiratory tract. Liquid will damage eye tissue. Harmful if swallowed. If ingested may cause gastric distress and systemic intoxication. Harmful if absorbed through skin.

Emergency and First Aid Procedures For Eyes: Flush eyes with water for at least fifteen minutes. If irritation persists seek medical attention. For Skin: Wash skin thoroughly with soap and water. If irritation persists seek medical attention. If ingested: Do not induce vomiting. If conscious give water. Never give anything by mouth to an unconscious person. Seek medical attention. Inhalation: Remove to fresh air and if breathing has stopped give artificial respiration. Keep individual calm. Seek medical attention.

Conditions Aggravated by Exposure May aggravate pre-existing pulmonary condition. **Threshold Limit Value** Not Est.

Listed Carcinogen, Mutagen, Teratogen (Ingredient, Source, Amount) None

Statement regarding Green Seal, Inc. Certification

Section 6 - Reactivity Data

Stability Stable
Conditions to Avoid None
Incompatibility Avoid contact with oxidizers, alkylene oxides, acid anhydrides, inorganic acids, organic acids, halogens, phosphorus trichloride, aldehydes.
Hazardous Polymerization Will not occur.
Hazardous Decomposition Products Oxides of carbon and nitrogen.

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Section 7 - Spill and Leak Procedures

Spill Steps Shut off source if possible to do so without hazard. Eliminate sources of ignition. Prevent liquid from entering sewers, water sources, or low areas.

Waste Disposal Method Follow local, state, and federal regulations.

Section 8 - Special Protection Information

Respiratory Protection Not required if used with adequate ventilation. Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Ventilation Local

Protective Gloves Water impervious such as latex, nitrile or neoprene gloves are recommended.

Eye Protection Chemical goggles or safety glasses with side shields.

Other Protective Equipment None

Work /Hygenic Practices

Section 9 - Special Precautions

Precautions Handling Storage Store away from heat, sparks, or other sources of ignition. Do not block entrances.

Other Precautions Keep out of reach of children. For Commercial and Industrial Use Only.

CA Proposition 65 Statement

The information contained in this MSDS was obtained from current and reliable sources, however the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of this company, it is not responsible for loss, injury and expense arising out of the product's improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product which may be covered by this MSDS. The user is responsible for full compliance

Date Prepared 10/16/2013 **Prepared By** J.B.