

Material Safety Data Sheet**Section 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

Identification: Product Name: Neutral Cleaner Concentrate
 Product Number: # 4020-1, 4020-5, 4020-2

Recommend use: Concentrated Cleaner for anti-static flooring, ESD paint and concrete

Manufacturer: ACL Incorporated
 840 W. 49th PL
 Chicago, IL 60609
 PH: (01) 847.981.9212 [U.S.A.]
 FAX: (01) 847.981.9278 [U.S.A.]
Emergency telephone: INFOTRAC: (01) 800.535.5053 (day or night)

Section 2. HAZARDOUS IDENTIFICATION

NFPA HAZARD RATING: (1) Fire (1) Health (0) Reactivity

Hazard Designation: Xi - Irritant
 Product label Risk Phrase: R36/38 - Irritating to eyes and skin.

Emergency Overview: May cause skin/eye irritation. May be harmful if swallowed.
 Potential Health Effects:

Inhalation: No observable effects of overexposure.

Eyes: Avoid contact with eyes; may cause redness, irritation and conjunctivitis.
 Symptoms of overexposure include: stinging, tearing, redness and pain.

Skin: May cause irritation. Skin absorption can occur.

Ingestion: Nausea and diarrhea are possible.

Acute Toxicity: Low hazard for usual industrial or commercial handling.
 Chronic Effects: Not Established

GHS: **Physical:** Not classified

Health: Warning: Category 2; Causes skin and eye irritation. **Symbol:**



Warning: Category 2; Suspected of causing cancer. **Symbol:**
 No conclusive route of exposure causes hazard



Environmental: Not classified

P102 Keep out of reach of children

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	C.A.S.	EINECS	Risk	Weight %
Deionized Water	7732-18-5	231-791-2		55 - 75
Benzenesulfonic acid, C10-16-alkyl derives., calcium salts	68584-23-6	271-529-4	R23, R34, R45, R26/37/38	10 - 20
Ethylbis (hydroxyethyl)tallow alkyl, ethoxylated, Et sulfates	68071-95-4		R36/38, R45	5 - 7
Ethanol, 2,2'-iminobis-	111-42-2	203-868-0	Xn, Xi, R22, R38, R41, R48/22	1 - 5
Alcohols, C10-14, ethoxylated	66455-15-0		R36, R37	1 - 5
Sodium Hydroxide	1310-73-2	215-185-5	R35	1 - 2
2-Propanol	67-63-0	200-661-0	R11, R36, R67	1 - 2
Tetrasodium ethylenediaminetetraacetate	13235-36-4		R22, R41	<1

Section 4	FIRST AID MEASURES
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Eye Contact: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Section 5	FIRE FIGHTING MEASURES
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Flash Point & Method: None

Extinguishing Media: water, foam, dry chemical & carbon dioxide

Fire Fighting Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Hazardous Combustion Products: Smoke, fumes and oxides of carbon.

Section 6	ACCIDENTAL RELEASE MEASURES
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Avoid runoff into storm sewers and ditches which lead to waterways. Absorb the liquid and scrub the area with detergent and water.

Section 7	HANDLING AND STORAGE
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Handling: Wash thoroughly after handling. Use only in a well ventilated area. Store in a cool dry place.

Storage Temperatures: Store in a cool place in original container and protect from sunlight.

Storage Pressure: Store at local atmospheric pressure.

General: Observe good housekeeping practices. Follow all MSD sheet and label warnings even after container is emptied.

Section 8	EXPOSURE CONTROL / PERSONAL PROTECTION
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OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)					
Chemical Name		Exposure Limits			
		OSHA PEL		ACGIH TLV	
		ppm	Mg/m ³	ppm	Mg/m ³
2- Propanol	TWA	400 ppm	980 Mg/m ³	400 ppm	983 Mg/m ³
	STEL	500 ppm	1225 Mg/m ³	500 ppm	1230 Mg/m ³
Sodium hydroxide	TWA	NE	NE	NE	NE
	STEL	NE	NE	NE	NE
Ethanol, 2, 2'-iminobis-	TWA	NE	NE	NE	NE
	STEL	NE	NE	NE	NE

Engineering Controls: Local Exhaust ventilation acceptable

Personal Protection:

Respirator If concentrations are over the exposure limit and are known, air purifying respirator with Organic Vapor Cartridges may be acceptable. Refer to cartridges for acceptable levels. If concentrations are over exposure limits and are unknown, use a supplied air respirator.

Hand Protection Gloves Recommended: Solvex, neoprene, viton, butyl, buna, natural latex acceptable.

Eye Protection: For normal conditions, may use without safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Section 9	PHYSICAL AND CHEMICAL PROPERTIES
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pH.....7.2	Boiling Point.....100°C / 212°F
Freezing Point.....0°C / 32°F	Solubility in Water.....100
Physical State.....Liquid	Percent Volatile:..... 70
Specific Gravity..... 1.030 (water=1)	Non-exempt VOC..... 14.480 g/L
Odor.....Pleasant Soapy Odor	Appearance:Dark blue liquid

Section 10	STABILITY AND REACTIVITY
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General: Stable. Polymerization will not occur.

Incompatible Materials and Conditions to Avoid: May decompose if heated.

Hazardous Decomposition: Forced combustion yields carbon and silicone oxides.

Section 11	TOXICOLOGY INFORMATION
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Carcinogenicity: OSHA / NTP / DHHS - This product contains residuals of ethylene oxide which is a known carcinogen listed on the 11th Report on Carcinogens (RoC) and NIOSH carcinogen list.

Cancer statement: Possible cancer hazard based on tests with laboratory animals.

Mutagenicity: Not established

Reproductive toxicity / teratogenic effects: None Expected.

LD₅₀ Rabbit (dermal) 12,800 mg/kg (Isopropanol)

LD₅₀ Rat (inhalation) 16,000 ppm: 8 hours (Isopropanol)

LD₅₀ Rabbit (oral) 5045 mg/kg (Isopropanol)

Section 12	ECOLOGICAL INFORMATION
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Isopropyl alcohol has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the microorganisms from activated sludge.

Section 13	DISPOSAL CONSIDERATIONS
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RCRA 40 CFR 261 Classifications:

As packaged and after use, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D.

Federal, State, and Local laws governing disposal of material can differ.

Ensure proper disposal compliance with proper authorities before disposal.

Section 14	TRANSPORTATION INFORMATION
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U.S. DOT Information: Proper Shipping Name: Non Hazardous Material

Hazard Class: NA

IATA:

Proper Shipping Name: NON HAZARDOUS MATERIAL

Hazard Class: NA

Section 15	REGULATORY INFORMATION
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MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/Superfund, 40 CFR 117.302:
Residual ethylene oxide, RQ 10
Ethanol, 2,2'-iminobis-, RQ 100

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:
Section 302 – Extremely hazardous substances (40 CFR 355): None of the chemicals are Section 302 hazards

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product is non-hazardous.

Section 313 – List of Toxic Chemicals (40CFR 372): This product does not contain chemicals (at level of 1% or greater) found on the 313 list of Toxic Chemicals.

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13 for RCRA classification.

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311), Clean Air Act:
Clean Air Act: Ethanol, 2,2'-iminobis- (CAS 111-42-2) < 1%

STATE REGULATIONS:

California Proposition 65: This product contains a residual component (ethylene oxide, CAS# 75-21-8) known in the state of California to cause cancer.

INTERNATIONAL REGULATIONS:

Canada WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

To the best of our ability, this MSDS is written in accordance to REACH Directive EC1907/2006 Annex II and GHS requirements. This product is not subject to REACH restrictions. It does not contain any candidates on the SvHC.

Sections 16	OTHER INFORMATION
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REVISION DATES, SECTIONS, REVISED BY:

15-Mar-92,	Original release date
27-Nov-07,	Reviewed all sections, Revised Section 2, mkb
15-Apr-09,	Reviewed all sections, Revised to EU format, mkb
07-DEC-09	Section 3 correction, mkb
03-Mar-11	Updated product name, mkb
31-Jan-12	Section 2 GHS, section 3 Risk phrases, mkb
01-Nov-12	Section 2 GHS classifications, mkb

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)	ANSI Standard: ANSI Z400.1-1998
Chemical Guide and OSHA Hazardous Communication Standard	Merck Index
The Environmental Protection Agency (www.epa.gov)	Directive EC1907/2006
	UN ST/SG/AC.10/30/ GHS

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