

SECTION 1	PRODUCT IDENTIFICATION
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Product Name	: <b>REXCO 70 Multi Purpose Degreaser</b>
Cross reference	: Alkaline Cleaner
Manufacture	: PT. ALTAMA SURYA ANUGERAH
Address	: Jl. Bandengan Utara 85A No. 4 Penjaringan-Penjaringan JAKARTA UTARA 14440 – DKI JAKARTA RAYA INDONESIA
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SECTION 2	HAZARDOUS INGREDIENTS
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Chemical name	CAS Number	Percent	OSHA PEL
2 butoxyethanol	: 64742-47-8	1-5	50 ppm, 240 mg/m3
Nonionic –cationic surfactant	: Mixture	<7	N/A
Potassium Hydroxide	: 1310-58-3	<5	2 mg/m3

SECTION 3	HAZARDS IDENTIFICATION
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Health Hazards	May be harmful if inhaled and/or ingested. Avoid breathing of vapors. May cause skin irritation. High Vapor may be irritation to eyes and respiratory tract. See section 11 for further information
Physical Hazards	Combustible liquid. Liquid or vapor may ignite. Keep away from all sources of ignition

IMO - International Maritime Organization

		
Class 8: 8.2 alkalis	Corrosive	Xn/Harmful, Xi/Irritant

SECTION 4	FIRST AID MEASURES
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Emergency First Aid Procedures:	
Eye contact	: Irritant to eye, flush immediately with large amount of water for 15 minute, get medical attention.
Skin contact	: May cause irritant to sensitive skin, rinse thoroughly with water, remove contaminated clothing and shoes immediately. if irritant occur, get medical attention.
Inhalation	: Remove to fresh air.
Ingestion	: Call physician immediately, Don't give anything to mouth to unconscious person.

SECTION 5	FIRE FIGHTING MEASURES
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EXTINGUISHING MEDIA	: Foam, water spray(fog), dry chemical, and carbon dioxide. Water spray can be used to cool and protect containers exposed to heat and flame.
SPECIFIC METHODS/ PROTECTION OF FIREFIGHTERS:	Wear suitable protective equipment.
Hazardous product combustion	: Oxide of carbon, oxide of nitrogen.

Mechanical Sensitivity	: none reasonable foreseeable
Sensitivity to static discharge	: Sensitivity to static discharge is not expected
Unusual Fire/Explosion Hazards	: Does not sustain combustion ( ASTM D 4206)
Lower Explosive Limit	: Not Determined
Upper Explosive Limit	: Not Determined

**SECTION 6 ACCIDENTAL REALEASE MEASURES**

Spills may cause slippery floors. Prevent spill from entering drainage/sewer systems, waterways and surface water. Notify local health authorities and other appropriate agencies if such contamination occurs.

**PERSONAL PRECAUTIONS:** Personnel protective equipment must be worn (See Section 8). Minimize contact with skin and clothing.

**SECTION 7 HANDLING AND STORAGE**

Keep out of reach of Children. Keep containers tightly closed in a cool, well-ventilated place. Store below 50 °C. Do not allow freezing.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION****PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY PROTECTION:** Not required under normal use

**HAND PROTECTION:** Use chemical-resistant gloves to avoid prolonged or repeated skin contact.

**EYE PROTECTION:** Wear chemical splash goggles with side shields or face shield.

**SKIN AND BODY PROTECTION:** Long sleeve shirt is recommended. Use of chemical-resistant apron or other impervious clothing recommended. Chemically resistant boots are also recommended. Launder clothing before reuse.

**HYGIENE MEASURES:** Minimize breathing vapor, mist or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period.

**SECTION 9 PHYSICAL DATA**

Flash Point	: <79 °C
Freezing Point	: 0 °C
Boiling Point	: 94°C
Kinematic Viscosity	: 2.766 cSt
Solubility in water	: Completely Soluble
Appearance & odor	: Clear transparent liquid
Spec Gravity	: 1.02 ( liquid)
pH	: >11.7

**SECTION 10 REACTIVITY DATA**

Stability	:Stable as long as container is tightly close and put in dry area
Incompatibility	:Avoid contact with strong oxidizing material, avoid contact with heat sources.
Hazardous Decomposition product	:Oxides of carbon.
Hazardous polymerization	:Will not occur.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**PRIMARY ROUTES OF ENTRY OR EXPOSURE:** Skin absorption, eye contact, inhalation and ingestion.  
**INHALATION:** Vapor concentrations above recommended exposure limits are irritating to the eyes and respiratory tract. May cause headaches and dizziness, are anesthetic and may have other central nervous system effects, including death based on data from components or similar materials.

**SKIN:** Slightly irritating to the skin. Prolonged and repeated contact may result in various skin disorders such as dermatitis. Skin contact may aggravate existing dermatitis condition based on data from components or similar products.

**EYE:** May cause eye irritation based on data from components or similar products.

**INGESTION:** Ingestion of material may result in vomiting; Aspiration (breathing of vomit us into the lungs) must be avoided as even small quantities may result in aspiration pneumonitis. Ingestion may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.

**ACUTE TOXICITY:** Pre-existing skin and respiratory disorders may be aggravated by exposure.

**SECTION 12 ECOLOGICAL INFORMATION**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate and remove with inert absorbent. Pick up large spill with vacuum tracks or pump. Absorb small spills/leaks with oil absorbent. Follow local and government regulation regarding disposal.

**SECTION 13 DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHODS:** Dispose in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 14 TRANSPORTATION INFORMATION**

Ground Transport ( DOT)

DOT Not Regulated

Hazards Class None

UN/ID number None

**TRANSPORTATION INCIDENT INFORMATION:** For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents.

**SECTION 15 REGULATORY INFORMATION**

SARA 302 Extremely Hazardous : None

SARA 313 Toxic Chemical : 2 butoxyethanol

SARA 311,312 Hazards class : Acute health hazards

TSCA Inventory Status : all components of this product are listed ( or exempt) on the EPA

TSCA inventory

**SECTION 16 OTHER INFORMATION**

Health 1, Flammability 0 ( propellant), Physical hazards 1, Personal protection B

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