

COMPANY INFORMATION

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Date prepared 2 april 2005
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PRODUCT INFORMATION

“RECYL’CLEAN 2000” (read carefully MSDS before any use)

Chemical formulation **PROPRIETARY FORMULATION OF THE MIXTURE**

NFPA Hazard Ident. System: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 2

Hazard rating: 4-Extreme 3-High 2-Moderate 1-Slight 0-insignificant

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Name	Sodium hydroxide	2-(2-butoxyethoxy) ethanol
CAS Number	1310-73-2	112-34-5
Common Name	Caustic soda	Butyldiglycol
Percentage in Product / Mixture	0.1 to 0.15 %	58 %

PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling point	>105°C (221°F)
Freezing point	< -20°C (-4°F)
Vapor pressure (mm Hg.)	0.003
Vapor density (air = 1)	6
pH	n.a (non aqueous mixture)
pH at 4 g / L water	11.4
Specific gravity (H2O = 1)	1.095
Melting point	-40°C (-40°F)
Evaporation rate (Butyl acetate = 1)	< 0.003
Solubility in water	100%
Appearance and odor	Brown viscous liquid, slight fruity odor

FLAMMABILITY / EXPLOSIVITY DATA

Autoignition temperature	not determined
Flammable range	not flammable
Flash point (indicate methode used)	> 114°C (237.2°F) – ASTM D56-19
Lowest Explosive Limit (LEV)	0.7 %
Upper Explosive Limit (UEL)	9.9 %
Extinguishing media	water, foam, carbon dioxide, dry chemical
Special Fire Fighting Procedures	Wear positive-pressure contained breath apparatus and full turn-out gear
Unusual Fire and Explosion hazard	not known
Extinguishant	water, foam, carbon dioxide, dry chemical

REACTIVITY DATA

Stability – conditions to avoid	stable - heating
Incompatibilities – materials to avoid	strong acidic reagents - aluminium
Hazardous decomposition	CO, CO2
Hazardous polymerization	none

HEALTH HAZARD DATA (mixture)

Limit values of the mixture that require monitoring at the workplace (skin)

OSHA PEL 80 ppm
NIOSH REL 8 ppm
ACGIH TLV 25 ppm

Cancer classification : OSHA – NTP – IARC none at creation of the MSDS

SPILL OR LEAK PROTECTION

Steps to be taken if material is released or spilled: Soak up spill with absorbent material. Ground can be slippery.

Waste disposal method Do not allow spilled material to contaminate water supplies and prevent ground water contamination.

SPECIAL PROTECTION INFORMATION

Respiratory protection			Not necessary
Ventilation: X	Local X		Mechanical
Protective gloves			Yes (neoprene recommended)
Eye protection			Yes (safety goggles)
Other equipment			Apron, boots, long sleeves if splashing

anticipated – Remove and wash contaminated clothing.

Precautions to be taken in handling and storage: Keep out of reach of children. Do not swallow and breath. Avoid contact with eyes, skin and clothing. In case of contact with eyes or skin, rinse with plenty of water and consult a doctor. Keep container closed when not in use. Store in normal conditions (heat, humidity).

Other precautions: Major risk is eyes contamination-Keep away from food and beverages

TRANSPORTATION INFORMATION

Ground None

Sea None

Air (IATA / ICAO) UN 1824 Packing Group: III

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Reminder: FOR INDUSTRIAL USE ONLY – MAIN HEALTH RISK IS EYE CONTACT