



MATERIAL SAFETY DATA SHEET

SECTION 1. GENERAL INFORMATION

Chemical name:	Sanitizer.		
Product name:	SANIDRY WIPES		
Synonyms:	Disinfectant.		
Elaborated by: Ing. Rodrigo Martínez Romero	Place and date of elaboration: Ciudad de México, 12-ene-1999	Last revision date: 30-mar-2020	Edition: 0
Manufacturer's name:	QUIMICA ROSMAR S.A. DE C.V.		
Address:	2ª Cerrada de Progreso # 53 Bis Santa María Tomatlán, 09870 Iztapalapa, Ciudad de México		
Phone number:	(55) 3004-28-20 al 27 01-800 300 ROSMAR (767626)		
e-mail:	servicioalcliente@quimicarosmar.com		
In case of emergency:	(55) 5607-5011 en la Ciudad de México 01-800-711-4941 en el Interior de la República		

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance

Hazard Classification	Hazard category:
Flammable liquids	4
Serious eye injuries/ eye irritation	2B

2.2 Signage elements

Signal words:	Warning
Pictograms:	
Hazard statements:	H226 Flammable liquid and vapor. H320 Causes eye irritation.
Precautionary statements:	P210 Keep away of heath sources, heat surfaces, sparks and other ignition sources. P305+P351+P338 In case of eye contact: rinse carefully with water for several minutes.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Active material(s):		Mix of cellulose derivate polymers and alcohols.					
Hazardous components:							
Chemical name	CAS	ONU	%	LMPE-PPT	LMPE-CT	LMPE-P	IPVS
Ethyl alcohol	64-17-5	1170	8.0%	ND	1000 ppm	1000 ppm	15000 ppm
N- dialkyl dimethyl ammonium chloride	68424-95-3	ND	0.025%	ND	ND	ND	ND
N-alkyl dimethyl bencylammonium chloride	68424-85-1	ND	0.015%	ND	ND	ND	ND

SECTION 4. FIRST-AID MEASURES

<u>Description of First Aid Measures</u>	
After inhalation:	Not necessary.
After skin contact:	Not necessary.
After eye contact:	Rinse immediately with plenty water about 15 minutes, holding the eyelids during rinsing.
After swallowing:	In case of accidental ingestion, drink plenty water. In case of symptoms persist seek medical advice.
<u>Exposure routes:</u>	
Inhalation:	In case of inhalation of high quantities of vapors may cause slight dizziness
Skin:	Product to disinfection f hands, it doesn't cause irritation.
Eyes:	In case of accidental contact could cause slight eye irritation.
Swallow:	In case of accidental direct ingestion may cause slight stomachache.
<u>Chronic exposure effects:</u>	The product doesn't induce effects for chronic exposure.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:	The product could de flammable.
Suitable extinguishing agent(s):	Coordinate the extinguish media with water, carbon dioxide (CO2), dry chemical or foam.
Unsuitable extinguishing agent(s):	Demand water pressure freely.
5.2 Special hazards arising in fire	No one.
5.3 Advice for firefighters:	Always control fire from a safety distance. Mask and complete protection uniform should be used by the fireman brigade.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:	The personnel who isn't part of emergency services should use protection personal equipment (indicated in section 8) to avoid any possible skin, eyes and clothing contamination.
6.2 Environmental precautions:	Keep away of drains, superficial and groundwater.
6.3 Cleaning up methods and materials:	In case of spill or accidental leak, should be stopped or controlled using the appropriate personal protection equipment. Use absorbent or insulating material and put on a container to disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precaution for safe handling:	Forbidden to eat, drink or smoke on work area. Keep containers tightly closed.
7.2 Storage:	Store in dry and shady places. Don't store more than 2 containers by column or 5 boxes by stowage. Keep containers tightly closed and storage under their identification.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering measures or controls	VLE-PPT	VLE-CT/VLE-P	Reference
Ethyl alcohol	ND	1000 ppm	NOM-010-STPS-2014
N- dialkyl dimethyl ammonium chloride	ND	ND	ND
N-alkyl dimethyl bencylammonium chloride	ND	ND	ND
8.2 Other engineering measures or control:	Keep the substance concentration on the air below the occupational exposure limit value.		
8.3 Personal protective equipment:			
Eye and face equipment:	No required to use mask. Never use contact lenses.		
Skin equipment:	GMP recommends using industrial rubber boots and complete uniform.		
Breathing equipment:	No required. No special ventilation required.		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	ND	Color:	Colorless
Melting point:	ND	Odor:	Alcoholic
Flash point:	ND	Evaporation rate:	ND
Autoignition point:	ND	Solubility in/miscibility with water:	Total
Density:	0.900 – 0.910 g/cm ³	Vapor pressure: (mmHg) @24 °C:	ND
pH	7.0 – 8.0	Volatility:	ND
Molecular weight:	ND	Flammability:	Min: NA, Max: NA
Form:	Liquid	Additional information:	NA

SECTION 10. STABILITY AND REACTIVITY

Reactivity	ND
Chemical stability	The product is very stable.
Hazardous reactivity / incompatible material(s)	No one.
Conditions to be avoid	Avoid the ignition sources during the handling of this product.
Hazardous decomposition product(s)	No one.

SECCIÓN 11. TOXICOLOGICAL INFORMATION

Acute toxicity	Ethyl alcohol LD50 rat, oral= 15010 mg/kg; LC50 rat inh> 20000 ppm (10 hours). N-alkyl dimethyl bencylammonium chloride LD50 rat, oral= 426 mg/kg
Skin corrosion or irritation	In form of biocidal alcohol (70-80% of ethanol in water) there's a considerable history of skin application as antiseptic without skin irritation.
Respiratory or skin sensitization	Respiratory sensitization: ethanol doesn't cause bronchoconstriction. Skin sensitization: ethanol doesn't cause sensitization.
Germ cell mutagenicity	No mutagenic effect reported.
Carcinogenicity	There's no significant evidence to justify an ethanol classification for cancer in the context of the classification and the labeling of chemical substances.
Reproductive toxicity	Ethanol in potable water in concentration of 15% (equivalent to 20.7 g/kg/day) doesn't have demonstrable effect on fertility; test on two rat's generations (male/female).
Specific target organ toxicity – single exposure	ND

Specific target organ toxicity – repeated exposure	ND
----------------------------------------------------	----

SECTION 12. ECOLOGICAL INFORMATION

Aquatic environmental toxicity	The available data are consistent to show that the LC50 for fish is superior to 10.000 mg/L and the ethanol is practically nontoxic for fish. Considered moderately toxic (LC50<1000 mg/cm ²) on earthworm <i>Eisenia foetida</i> .
Degradability and stability	The biodegradation data indicated a media life about of 3 days in domestic water, comparing with a life in river estimated of 6.5-26 hours and a media life for the aerobic degradation of 26-104 hours. It was determinate the mineralization grade, looking an 88% degradation for 8 days from an ethanol initial concentration of >2<10 mg/L.
Bioaccumulation and distribution	The substance has a low bioaccumulation potential (log Kow= 3), it isn't necessary to do bioaccumulation test.
Mobility in soil	Koc= 1. The very low value of Koc indicates there's no significant adsorption of methanol in soils
Additional information	No data.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:	Keep verted material away drains system. Maximize the product recuperation.
-------------------	-----------------------------------------------------------------------------

SECTION 14. TRANSPORT INFORMATION

ONU number:	NA
Propper shipping name:	NA
Transport hazard class(es):	NA
Packing group:	NA

SECTION 15. REGULATORY INFORMATION

Specific provision on safety, health and the environment for chemical substances	REGLAMENT (EC)No. 1907/2006 ANNEX XVII Restrictions:3
----------------------------------------------------------------------------------	-------------------------------------------------------

SECTION 16. OTHER INFORMATION INCLUDING THOSE RELATED TO THE PREPARATION AND UPDATING OF THE SAFETY DATA SHEETS.

0. No risk.
1. Slightly risky.
2. Risky.
3. Extremely risky.

The information obtained for this HDS is considered technically reliable and reliable. A very detailed effort has been made to comply fully with the risks of the product, however, in some cases the information available is not available and has been reported. Because the actual conditions of use of the product are beyond the control of Química Rosmar, S.A. of C.V., it is assumed that the end users of this product have been fully trained to comply with any requirement. There is no explicit or implicit guarantee on the part of Química Rosmar, S.A. of C.V. Therefore, in no way shall there be any liability for losses, injuries or damages that may result from the good or bad handling or use of the information contained in this format.