



SAFETY SHEET

According to Annex I. Commission Regulation no. 453/2010/EC

Date of preparation: 30.9.2014

Revision date: 26.4.2018

1. IDENTIFICATION OF THE SUBSTANCE

Product identifier

Chemical name / synonyms:

Business name: SA 0901

CAS:

-

EINECS/ELINCS

-

Identified use:

LIQUIDE DE REFROIDISSEMENT 3L
3L COOLING LIQUID

Not recommended use:

-

Emergency telephone
number:

02/ 5477 4166

National Toxicology Center

2. HAZARD IDENTIFICATION

Classification of the mixture
according to EP and Council
Regulation
No 1272/2008 CLP

EUH210

Label elements

Warning pictogram

-

Warning word

-

Warning

EUH210 A security card can be provided on request.

Safety warnings

-

Other dangers

Classification of the mixture
§45 law no. 67/2010

-

Label elements

Warning pictogram

-

Warning

-

Safety warnings

-

The Safety Data Sheet is available to a professional user on
Request.

Other dangers

-

3. COMPOSITION / INFORMATION ON INGREDIENTS

A mixture of non-hazardous substances or the content of hazardous substances in this mixture is below the reported concentration.

4. FIRST AID

Description of first aid measures	Inhalation	Unlikely - it does not evaporate
	Eyes	Thoroughly rinse open caps with water flow for 10 - 15 min.
	Skin	Wash skin as soon as possible with water. Treating with cream. Contaminated clothing should be undone.
	Ingestion	Do not call back. Consult a physician. Ensure quietness and peace of mind.
The most important symptoms and effects, acute and later	There is no inhalation in the usual way of using and maintaining basic hygiene regulations. In case of contact with the skin, it may cause slight irritation. When eye contact is irritating to eyes. If swallowed, it may irritate the digestive tract, May cause nausea and vomiting.	
Need immediate medical assistance	Symptomatic treatment.	

5. FIRE-FIGHTING MEASURES

Extinguishing media	appropriate	CO2, powder, foam, water
	inappropriately	unspecified
Threats from a mixture or a substance	Burning can produce toxic gases (carbon oxides and nitrogen oxides).	
Advice for firefighters	Protective clothing, self-contained breathing apparatus.	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Appropriate technical security	Rinse thoroughly out of leakage.
Individual protection measures, personal protective equipment	Avoid contact with skin and eye contact. In confined spaces, ensure adequate ventilation before disposal. In case of disposal, suitable eye and skin protection should be used.
Thermal hazard	None.
Environmental precautions	Prevent leakage of large quantities of concentrated product into sewage / WWTP (slightly alkaline product).
Methods and materials to prevent spread and cleaning	Drain the leaky liquid, collect the residue with absorbent materials and deliver it in a closed container for disposal.
Link to other sections	Disposal: Item 13 Personal protective equipment: item 8

7. USE AND STORAGE

Safety precautions for safe use	Protect your eyes from injury. Before work breaks or at the end of working hours thoroughly wash hands with water and treat with a suitable cream. Do not eat, drink or smoke while using.
Conditions for safe storage, including incompatibility	Store in well-closed and original containers in a dry place. Do not store together with acids and oxidizing agents. Shelf life up to 24 months. Unsuitable packaging material: metal Suitable packaging material: Plastic HDPE - 2, PET - 1, PP - 5 packaging
End use specification	Cooling anti-corrosive liquid, -20 ° C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	Identification number	Chemical name of the substance	NPEL (mg/m³)		Note:
			average	short	
	CAS:102-71-6 ES: 203-049-8	2,2', 2'' - nitrilotriethanol	NPK-P	10 mg/m3*	* The content of this substance in the preparation is 0,1%
DNEL	No information available, no risk assessment performed.				
PNEC					
Exposure controls	Occupational exposure controls: a complete set of specific protective and precautionary measures. point 7 of the safety data sheet. Usual precautions are taken when handling chemicals. Do not eat, drink or smoke at work. During breaks and after work, thoroughly wash hands with water. Do not touch your eyes before washing your hands. * The content of this substance in the preparation is below 0.1%				
	Respiratory protection: - Hand protection: Protective PVC impermeable gloves (EN 374) Eye protection: protective goggles EN 166 Skin protection: Protective work clothing (EN 369) Personal and occupational hygiene: Wash contaminated hands with water and soap before work breaks. Do not eat, drink or smoke at work.				

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical condition	liquid
Color	clear, or as required by the customer
Odor	characteristic
Odor threshold	not set
pH	8,5
Heat / freezing temperature [°C]	- 20
Initial boiling point and distillation value [°C]	not set
Flash point [°C]	not set
Evaporation rate	not set
Combustibility	non-flammable
Auto-ignition temperature [°C]	not set
Decomposition temperature [°C]	> 300
Explosive properties	non-explosive
Lower explosive limit	not set
Upper explosion limit	not set
Oxidative properties	not set
Vapor pressure	-
Density of hair	not set
Relative density [g.cm ⁻³]	1,04(20°C)
Solubility in water [g.l ⁻¹]	soluble
Solubility in solvents [g.l ⁻¹]	not set
Partition coefficient n-okt./water	not set
Viscosity	not set
9.2 Other information	-

10. STABILITY AND REACTIVITY

Reactivity	Data not available
Chemical stability	Stable under recommended usage and storage conditions. Reaction with metals - passive
Possibility of dangerous reactions	Data not available
Conditions to be avoided	Contact with unsaturated compounds - loss of corrosion properties
Incompatible materials	Data not available
Hazardous decomposition products	Upon thermal decomposition, amines are formed.

11. TOXICOLOGICAL INFORMATION

Propán-1,2-diol according ECHA is not classified as dangerous

Acute toxicity LD ₅₀	Inhalation	< 8000 mg/kg
	Skin	> 8000 mg/kg
	Inhalation by rat	< 5000mg/kg
Chronic toxicity		Data not available
Corrosive properties		Data not available
Irritability	Eyes	Irritating to eyes
	Skin	Data not available
	Inhalation	Data not available
Sensitive properties	Skin	It is not expected
	Inhalation	Data not available
Mutagenicity		It is not expected
Reproductive toxicity		It is not expected
Carcinogenicity		It is not expected
Aspiration toxicity		Data not available

12. ECOLOGICAL INFORMATION	
Toxicity to aquatic organisms	Data for the mixture is not known
Persistence and degradability	Degradable under EU Directive No. 648/2004.
Bioaccumulative potential	Data for the mixture is not known
Mobility in soil	Data for the mixture is not known
Results of PBT and vPvB assessment	The mixture does not contain Substances classified as PBT vPvB at the date of preparation of the SDS.
Other adverse effects	-

13. DISPOSAL CONSIDERATIONS	
Waste treatment methods	<p>Waste and contaminated absorbent materials should be disposed of as hazardous waste in accordance with Act No. 223/2001 on waste in an authorized facility.</p> <p>Do not dispose of together with municipal waste. Clean up the liquid in WWTP!</p> <p>Classification according to the Waste Catalog: 10 02 99</p> <p>After thorough rinsing, the packaging can be disposed of in a separate collection.</p>

14. TRANSPORT INFORMATION	
Number OSN	It is not dangerous in terms of transport regulations.
Proper shipping name OSN	-
Transport hazard class	-
Packaging group	-
Dangers to the environment	-
Personal precautions of the user	-
Bulk cargo transport	-

15. REGULATORY INFORMATION	
Safety, health and environmental regulations / legislation specific for the substance or mixture	
Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and on the establishment of a European Chemicals Agency, amending certain Directives Commission Regulation No 453/2010 amending and supplementing Regulation EP and Council Regulation 1907/2006 REACH	
Regulation of the European Parliament and of the Council No. 1272/2008 on Classification, Labeling and Packaging of Substances and Mixtures Act of the National Council of the Slovak Republic No. 67/2010 on the placing of chemical substances and mixtures on the market	
Decree No. 3/2010 on the implementation of Act No. 67/2010 on the placing of chemical substances and mixtures on the market Government Order No. 355/2006 on the protection of workers from the risks related to exposure to chemical agents at work as amended by Regulation Government of the Slovak Republic no. 471/2011	
Restrictions according to Regulation 552/2009 (Annex XVII of Regulation EP and Council No. 1907 / 2006REACH): none	
Substances included in the Candidate List (SVHC) pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council REACH: none	

16. OTHER INFORMATION	
Reason for Revision: -	
H-phrases not elsewhere specified.	
Packaging measures when placed on the retail network: none	

