

Rev. Nr. 0.0 Date: 16/09/2011

Safety data sheet according to CE N.453/2010 regulation CE modification Nr. 1907/2006

Compilation Date: 16/09/2011

LIMESTONE DENSIFIER

Classification: Xi R 36;38

1. PRODUCT AND COMPANY IDENTIFICATION

Product name LIMESTONE DENSIFIER
Product type FORMULATE
Use CONSOLIDATOR FOR LIMESTONE
Packaging SEVERAL
Supplier FABER CHIMICA S.R.L. VIA G. CERESANI, 10 – FABRIANO (AN) ITALY
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2. HAZARD IDENTIFICATION

Product classification Xi R 36;38 following criteria established by CE regulation Nr 1999/45/CE

Labelling:



Classification: Irritating

R phrases: 36;38

S phrases: 2;24;25;26

Other hazards: The product does not show any further danger due to intrinsic features of the formulate.

3. COMPOSITION/INFORMATION ABOUT DANGEROUS INGREDIENTS

CHEMICAL NAME	CAS NR	EC NR	%
Potassium Metilsiliconate	31795-24-1	250-807-9	>2,5<5

Classifications/Informations about substances into the formulate				
	Regulation 1999/45/CE*		Regulation 1278/2008 CE**	
SUBSTANCE	Classification	R phrases	Class and Category	Hazard Marks
Potassium Metilsiliconate	C	35	Skin Corr. 1A	H 314

* = Current directive about formulates.

** = CLP regulation that will enter into force for formulates only starting from 1st June 2015.

4. FIRST AID MEASURES

Inhalation: The product can be slightly annoying if big quantities are inhaled as a powder.
Ingestion: Do not allow vomit and drink much water. If pain persists, call for a doctor.
Contact with skin: Clean well with water and soap and rinse carefully.
Contact with eyes: Make an ocular washing rinsing for 15 minutes at least. Call for a doctor if pain persists.

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5. FIRE-FIGHTING MEASURES

Exinction tools: The product is not flammable
In case of fire near the formulate fire-extinction methods are: CO₂, powder or nebulized water

Specific risks owing to the formulate: No specific risk due to the nature of the formulate.

Recommendations for the people in charge: Avoid fumes inhalation.

6. ACCIDENTAL PRODUCT SPILLING

Precautionary individual measures During the residues collection use gloves and glasses.

Precautionary measures for the environment: Keep far from discharges and superficial waters.

Environment pre-cautions method of cleaning: Vacuum up the spilled product and dispose in a suitable container, then reuse. Absorb the residue with inert material.

7. HANDLING AND STORAGE

Pre-cautions for handling: Avoid contact with eyes.

Pre-cautions for Storage: Use plastic or glass containers.
Store under normal weather conditions.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

Chemical name	Limit of exposure (referring to concentrated substances)	
	TLV-TWA	TLV-STEL
Potassium Metilsiliconate	N.D.	N.D.

Individual protection

Respiratory system: Not required.

Skin and body: No special protection is required.

Hands: Use latex gloves.

Eyes: Use glasses with side protection if product is handled near the face.

9. PHYSICAL AND CHEMICAL FEATURES

Physical state: Liquid

Colour: Colourless

Odour: Odourless

Solubility in water: Completely soluble in water

pH (5% in water): 10 ± 0,5

Specific gravity: 1120 +/- 10 g/Lt

Flash point: Not flammable

Self-ignition temperature: N.R.

Boiling point: >100 °C

Partition coefficient n-octanole-water: Not miscible

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10. STEADINESS AND REACTIVITY

<i>Steadiness:</i>	Product, if stored properly, is steady for 24 months at least.
<i>Dangerous reactions:</i>	No special reaction to avoid.
<i>Conditions to avoid:</i>	No special condition to avoid, besides the one described above.
<i>Incompatible materials:</i>	Strong acids and strong oxydations agents.
<i>Hazardous decomposition products:</i>	The nature of possible dangerous decomposition products is not known.

11. TOXICITY INFORMATION

ACUTE TOXICITY:

Chemical name	(referring to concentrated substances)	
	LD50	LC50
Potassium Metilsiliconate	>2000 mg/kg (oral rat)	N.D.

DESCRIPTION OF RELEVANT EFFECTS:

<i>Irritation:</i>	Product is irritating to eyes and skin.
<i>Corrosivity:</i>	Product is not corrosive neither to eyes nor to skin.
<i>Sensitization:</i>	Product does not produce these effects in any way.
<i>Toxicity:</i>	Product does not produce these effects in any way.
<i>Carcinogenicity</i>	Product does not produce these effects in any way.
<i>Mutagenicity</i>	
<i>Reproductive toxicity:</i>	

PROBABLE WAYS OF EXPOSURE:

<i>Ingestion:</i>	Product can cause irritation to oral cavity. Avoid swallowing.
<i>Inhalation:</i>	If inhaled as a powder in big quantities, can be a little annoying.
<i>Contact with eyes and skin:</i>	The product is irritating to tissues and can cause slight burns in contact with the skin or lacerations in contact with eyes.

12. ECOLOGICAL INFORMATION

<i>Eco-toxicity:</i>	Product is not toxic to the environment.
<i>Persistency</i>	The product is neither persistent nor bio-accumulable.
<i>Bio-accumulation</i>	
<i>Other harmful effects</i>	The product does not produce further effects besides the ones described.
<i>Further data</i>	Surfactants contained into this formulate comply with biodegradability criteria established by CE regulation Nr. 648/2004 concerning detergents. Avoid product spillings into the environment.

13. WASTE DISPOSAL

<i>Waste disposal method</i>	Make the product react before waste disposal so as to neutralize the pH, and act following the national provisions. Do not allow product into refluent waters. Use in accordance with good working practice, avoiding product dispersions into the environment.
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14. CONVEYANCE INFORMATION

Road haulage/railway transport ADR/RID:	Not subject
Conveyance by sea IMDG:	Not subject
Conveyance by air ICAO/II and IATA:	Not subject

15. REGULATION INFORMATION

Rules and legislation about health, safety and environment specific for formulate:

- CE 67/548 and Ad.** Related to Classification, Packaging and Labelling of Dangerous substances
- CE 1999/45 and Ad.** Related to Classification, Packaging and Labelling of Dangerous substances
- CE 648/2004 and Ad.** Related to Cleaners
- CE 1907/2006 and Ad.** Related to Registration, Evaluation, Authorization and Restriction of chemical substances
- CE 1272/2008 and Ad.** Related to Classification, Packaging and Labelling of substances and formulates
- CE 453/2010 and Ad.** With regulation modification of **CE 1907/2006 and Ad.**

Including any possible normative reference quoted in the above mentioned directives.

Substances contained into the formulate undergoing restriction or authorization (REACH): NONE

Evaluation of chemical safety of the formulate: UNPROCESSED

16. OTHER INFORMATION

HISTORY OF MSDS:

Useful Dates

Useful Dates		Modifications	
Date of issue	: 16.09.2011 Rev. 0.0 According to:	453/2010 CE	See directive for modifications
Date of previous revision	: 16.09.2011 Rev. 0.0 According to:	453/2010 CE	See directive for modifications
Date of current revision	: 16.09.2011 Rev. 0.0 According to:	453/2010 CE	See directive for modifications

Modifications compared to the previous version:

Modifications have been made in accordance with the new directives in force.

Abbreviations et acronyms: Neither abbreviations nor acronyms deserving a legenda.

BIBLIOGRAPHY AND DATA SOURCES:

- Directives: CE 67/548 - CE 1999/45 - CE 648/2004 - CE 1907/2006 - CE 1272/2008 - CE 453/2010
- ADR agreement and complementary rules about dangerous goods.
- MAP CLP[®]
- Safety data sheets by our suppliers of substances and products.
- European chemical substances information system

Method of evaluation to determine formulate classification (CE 1272/2008):

Method : Calculation

COMPLETE LIST OF RISK PHRASES AND PRUDENCE RECOMMENDATIONS:

R Phrases	S Phrases
R35 : Causes serious burns	S2 : Keep out of the reach of children
R36 : Irritating to eyes	S24 : Avoid contact with the skin
R38 : Irritating to skin	S25 : Avoid contact with eyes
	S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice



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COMPLETE LIST OF DANGER MARKS AND SAFETY WARNINGS:

<i>H Phrases</i>	<i>P Phrases</i>
H 314 : Causes severe skin burns and eye damage	

The information contained are based upon our knowledge at the date mentioned here above. They are only referred to the product and they are not a warranty of particular qualities. The user must ensure about fitness and completeness of these informations regarding to their specific use. This MSDS cancels and replaces any previous edition.



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