#### Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU



MERCOLA

### CL 48 HAND CLEANER PASTE - HEAVY DUTY HAND CLEANER

## PASTE 24-243

SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING						
ULC.	SECTION IN IDENTIFICATION OF THE SUBSTANCE/HIXTORE AND OF THE CONTAINT/ONDERMINING						
1.1	Product identifier: CL 48 HAND CLEANER PASTE - HEAVY DUTY HAND CLEANER PASTE 24-243						
1.2	Relevant identified uses of the substance or mixture and uses advised against:						
	Relevant uses: General cleaner						
	Uses advised against: All uses not specified in this section or in section 7.3						
1.3	Details of the supplier of the safety data sheet:						
	Evochem S.A. Tzaverdella Place 133 41 Phili - Attica - Greece Phone.: 0030 210 5590460 , 0030 210 5590155 - Fax: 0030 210 6254737 , 0030 210 5590244 info@evochem.gr http://www.evochem.gr						
1.4	Emergency telephone number: National Poisoning Center 2107793777						
SEC	TION 2: HAZARDS IDENTIFICATION **						

## 2.1 Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008. 2.2 Label elements: CLP Regulation (EC) No 1272/2008:

None

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

\*\* Changes with regards to the previous version

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

#### 3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Alkaline-based mixture of inorganic substances

#### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification		Chemical name/Classification	Concentration				
	Alkane C6-C8 (even	numbered), 1-sulphonic acid, sodium salt $\Box^1\Box$	Self-classified				
EC: 939-625-7 Index: Non-applicable REACH: 01-2119985168-23-XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	(1)	0,9 - <2,4 %			
□1□ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830							

To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 and 16.

\*\* Changes with regards to the previous version

#### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product. **By inhalation:** 



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#### SECTION 4: FIRST AID MEASURES (continued)

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

#### By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

#### By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

#### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

#### 4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

#### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

#### 5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

#### 6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

#### 6.3 Methods and material for containment and cleaning up:

#### It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### 6.4 Reference to other sections:

See sections 8 and 13.



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#### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

#### 7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:5 °CMaximum Temp.:35 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

#### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

There are no occupational exposure limits for the substances contained in the product

#### DNEL (Workers):

Non-applicable

#### DNEL (General population):

#### Non-applicable

PNEC:

Non-applicable

#### 8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands





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ION 8: EXPOSURE	CONTROLS/PERSON/				
Pictogram	РРЕ	Labelling	CEN Standard		Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		prolonged periods of professional users/in CE III gloves in line	ase of any sign of damage. For of exposure to the product for dustrials, we recommend usin with standards EN 420 and E 374.
	s a mixture of several sub			erial can not be pr	redicted in advance with
D Ocular and facial	d has therefore to be che	ecked prior to th	ne application"		
Pictogram	PPE	Labelling	CEN Standard		Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	CAT II	EN 166:2001 EN ISO 4007:2012	the manufacturer 's	nfect periodically according t s instructions. Use if there is c of splashing.
E Body protection					*
Pictogram	PPE	Labelling	CEN Standard		Remarks
	Work clothing	CATI		periods of prolonge professional/ recommended, in a in EN ISO 6529:200	evidence of deterioration. For d exposure to the product for industrial users CE III is ccordance with the regulation 01, EN ISO 6530:2005, EN IS 013, EN 464:1994.
	Anti-slip work shoes	CAT II	EN ISO 20347:2012	periods of prolonge professional/ recommended, in a	evidence of deterioration. For ed exposure to the product for industrial users CE III is ccordance with the regulation 20345 y EN 13832-1
F Additional emergency measures					
Emergency mea	AN: ISO 3	si Z358-1 864-1:2002	Emergency meas		Standards DIN 12 899 ISO 3864-1:2002
Environmental exp			· · ·		
In accordance with th	ne community legislation product and its container.				o avoid environmental
-	ive 2010/75/EU, this prod	duct has the fol	lowing characteristics:		
V.O.C. (Supply):	0,06 % weight				
V.O.C. density at 20					
,		,			
Average carbon numl	ber: 3				
Average carbon numl Average molecular we					
Average molecular we	eight: 60,1 g/mol	PERTIES			
Average molecular w	eight: 60,1 g/mol				
Average molecular we TION 9: PHYSICAL A Information on base	eight: 60,1 g/mol AND CHEMICAL PROF sic physical and chemi	ical properties	5:		
Average molecular war TON 9: PHYSICAL A Information on base For complete information	eight: 60,1 g/mol	ical properties	5:		
Average molecular we TION 9: PHYSICAL A Information on base For complete informa Appearance:	eight: 60,1 g/mol AND CHEMICAL PROF sic physical and chemi ation see the product data	ical properties asheet.			
Average molecular we TION 9: PHYSICAL A Information on bas For complete informa Appearance: Physical state at 20 °	eight: 60,1 g/mol AND CHEMICAL PROF sic physical and chemi ation see the product data	i <b>cal properties</b> asheet. Liqui	d		
Average molecular we ION 9: PHYSICAL A Information on bas For complete informa Appearance: Physical state at 20 ° Appearance:	eight: 60,1 g/mol AND CHEMICAL PROF sic physical and chemi ation see the product data	i <b>cal properties</b> asheet. Liqui Not a	d available		
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Average molecular we ION 9: PHYSICAL A Information on bas For complete informa Appearance: Physical state at 20 ° Appearance: Colour: Odour:	eight: 60,1 g/mol AND CHEMICAL PROF sic physical and chemi ation see the product data	i <b>cal properties</b> asheet. Liqui Not a Not a	d available available available		





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SECT	TON 9: PHYSICAL AND CHEMICAL PROPERTIES	G (continued)
	Odour threshold:	Non-applicable *
	Volatility:	
	Boiling point at atmospheric pressure:	101 °C
	Vapour pressure at 20 °C:	2347 Pa
	Vapour pressure at 50 °C:	12365 Pa (12 kPa)
	Evaporation rate at 20 °C:	Non-applicable *
	Product description:	
	Density at 20 °C:	1697 kg/m <sup>3</sup>
	Relative density at 20 °C:	1,697
	Dynamic viscosity at 20 °C:	Non-applicable *
	Kinematic viscosity at 20 °C:	Non-applicable *
	Kinematic viscosity at 40 °C:	Non-applicable *
	Concentration:	Non-applicable *
	pH:	Non-applicable *
	Vapour density at 20 °C:	Non-applicable *
	Partition coefficient n-octanol/water 20 °C:	Non-applicable *
	Solubility in water at 20 °C:	Non-applicable *
	Solubility properties:	Non-applicable *
	Decomposition temperature:	Non-applicable *
	Melting point/freezing point:	Non-applicable *
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Flammability:	
	Flash Point:	Non Flammable (>60 °C)
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	324 °C
	Lower flammability limit:	Non-applicable *
	Upper flammability limit:	Non-applicable *
	Explosive:	
	Lower explosive limit:	Non-applicable *
	Upper explosive limit:	Non-applicable *
9.2	Other information:	
	Surface tension at 20 °C:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not providing infor	mation property of its hazards.

SECT	ION 10: STABILITY AND REACTIVITY
10.1	Reactivity:
	No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.
10.2	Chemical stability:
	Chemically stable under the conditions of storage, handling and use.
10.3	Possibility of hazardous reactions:
	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
104	Conditions to avoid



SECTION 10: STABILITY AND REACTIVITY (continued)



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	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
L_	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
In	compatible materials:				
	Acids Precaution	Water Not applicable	Combustive materials Not applicable	Combustible materials Not applicable	Others Avoid alkalis or strong base
L.	azardous decompositio	••	Not applicable		Avoid alkalis of strong basi
Se co	e subsection 10.3, 10.4 a	and 10.5 to find out the s	pecific decomposition proc eased: carbon dioxide (CO		
0	N 11: TOXICOLOGICA	AL INFORMATION			
In	formation on toxicolo	gical effects:			
Th	e experimental informati	on related to the toxicolo	gical properties of the proc	duct itself is not availab	le
Da	angerous health implic	cations:			
ad		nay result, depending on	at concentrations higher th the means of exposure:	an the recommended of	ccupational exposure limit
B-	as dangerous for consu - Corrosivity/Irritability	mption. For more informa : Based on available data for this effect. For more	classification criteria are no ation see section 3. a, the classification criteria information see section 3.		
C-	as dangerous for inhala - Corrosivity/Irritability classified as dangerous	tion. For more informatio v: Based on available data	a, the classification criteria information see section 3.		
D-	classified as dangerous - Contact with the eye classified as dangerous	for skin contact. For mor s: Based on available dat	a, the classification criteria e information see section 3 ta, the classification criteria information see section 3. oxicity to reproduction):	3.	
E-	as dangerous for the ef - Mutagenicity: Based dangerous for this effec - Reproductive toxicity	fects mentioned. For mor on available data, the cla t. For more information s : Based on available data	classification criteria are ne re information see section a assification criteria are not see section 3. a, the classification criteria information see section 3.	3. met, as it does not con	tain substances classified
E.	dangerous with sensitis - Cutaneous: Based or dangerous for this effect	ing effects. For more infont available data, the class t. For more information s	sification criteria are not masee section 3.		
1		-	a are not met, as it does no	ot contain substances c	lassified as dangerous for



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#### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
   Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### Other information:

Non-applicable

#### Specific toxicology information on the substances:

Identification	Ą	cute toxicity	Genus
Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	LD50 oral	500 mg/kg	Rat
CAS: Non-applicable	LD50 dermal	Non-applicable	
EC: 939-625-7	LC50 inhalation	Non-applicable	

#### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

#### 12.1 Toxicity:

Identification	Acute toxicity		Species	Genus
Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	LC50	Non-applicable		
CAS: Non-applicable	EC50	421 mg/L (48 h)	Daphnia magna	Crustacean
EC: 939-625-7	EC50	Non-applicable		

#### 12.2 Persistence and degradability:

	Identification	De	egradability	Biode	Biodegradability	
	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	BOD5	Non-applicable	Concentration	20 mg/L	
	CAS: Non-applicable	COD	Non-applicable	Period	28 days	
	EC: 939-625-7	BOD5/COD	Non-applicable	% Biodegradable	75 %	
2.3	Bioaccumulative potential:					
	Not available					
2.4	Mobility in soil:					
	Not available					
2.5	Results of PBT and vPvB assessment:					
	Product fails to meet PBT/vPvB criteria					
2.6	Other adverse effects:					
	Not described					

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)						
20 01 99	other fractions not otherwise specified	Non dangerous						
Type of waste (Regulation (EU) No 1357/2014):								
Ion-applicat	ble							
Naste management (disposal and evaluation):								



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#### SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

#### SECTION 14: TRANSPORT INFORMATION \*\*

This product is not regulated for transport (ADR/RID,IMDG,IATA)

\*\* Changes with regards to the previous version

#### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

#### Regulation (EC) No 648/2004 on detergents:

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradibility criteria stipulated in Regulation (EC) nº648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

#### Labelling for contents:

		Concentration interval		
Anionic surfactants				% (w/w) < 5

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Non-applicable

#### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

#### Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII
- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

#### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

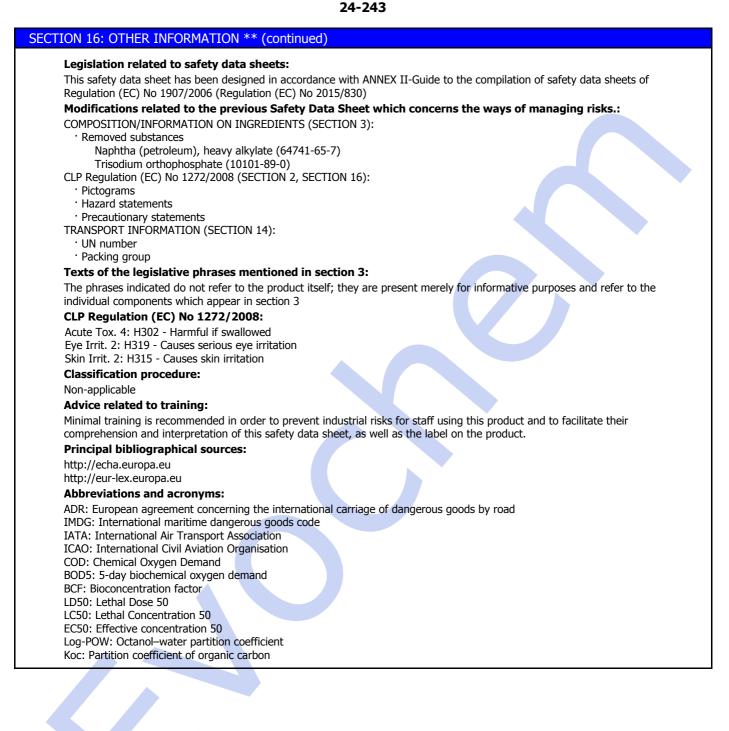
#### SECTION 16: OTHER INFORMATION \*\*

\*\* Changes with regards to the previous version



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\*\* Changes with regards to the previous version

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.