# Herculon

## Safety Data Sheet acc. to OSHA HCS

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Reviewed on 08/02/2016

Herculon

Printing date 08/02/2016

## Safety Data Sheet acc. to OSHA HCS

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ade name:	HERCULAN FC 4000 { B }	
	ntion system: ings (scale 0 - 4)	(Contd. of pe P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove co lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable breathing. P321 Specific treatment (see on this label). P363 Wash contaminated clothing before reuse. P308+P313 IF exposed or concerned: Get medical advice/attention. P301+P304+P314 If skin irritation or rash occurs: Get medical advice/attention. P301+P304+P314 If skin irritation or rash occurs: Get medical advice/attention. P301+P304+P314 If skin irritation or rash occurs: Get medical advice/attention. P301+P304+P304+P314 If skin irritation or rash occurs: Get medical advice/attention. P301+P304+P304+P314 If skin irritation or rash occurs: Get medical advice/attention. P301+P304+P304+P314 If skin irritation or rash occurs: Get medical advice/attention. P301+P304+P304+P314 If skin irritation or rash occurs: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/nat international regulations. Health = 3
		$\begin{array}{c} Fire = 1\\ \hline 3 \\ \hline 0 \end{array}$ Reactivity = 0
· HMIS-rati	ngs (scale 0 - 4)	HEALTH B Health = *3 FIRE FIRE FIRE FIRE FIRE FIRE FIRE FIRE
· Other haz	ards	-
	f PBT and vPvB assessment	
· PBT: · vPvB:		Not applicable. Not applicable.
· Chemical	sition/information on ingredie characterization: Mixtures on:	
	characterization: Mixtures	ents There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section.
· Chemical · Descripti	characterization: Mixtures	There are no additional ingredients present which are classified as hazardous to health
<ul> <li>Chemical</li> <li>Description</li> <li>Dangerou</li> </ul>	characterization: Mixtures on: Is components: m-phenylenebis(methylamine)	There are no additional ingredients present which are classified as hazardous to health
Chemical     Descripti     Dangerou     1477-55-0	characterization: Mixtures on: Is components: m-phenylenebis(methylamine) Skin Corr. 1B, H314; Eye Dam. 1, H3 4-tert-butylphenol	There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section.
• Chemical • Descripti • Dangerou 1477-55-0 98-54-4	characterization: Mixtures on: is components: m-phenylenebis(methylamine) Skin Corr. 1B, H314; Eye Dam. 1, H3 4-tert-butylphenol & Repr. 2, H361; Skin Corr. 1C, H31 2, H401 trimethylhexane-1,6-diamine	There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section. 10- 18; () Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317 10- 14; Eye Dam. 1, H318; () Aquatic Chronic 2, H411; () STOT SE 3, H335; Aquatic Acute 5-
<ul> <li>Chemical</li> <li>Descripti</li> <li>Dangerou</li> <li>1477-55-0</li> <li>98-54-4</li> <li>25620-58-0</li> </ul>	characterization: Mixtures on: Is components:	There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section.         10-         118; ① Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317         10-         14; Eye Dam. 1, H318; ③ Aquatic Chronic 2, H411; ③ STOT SE 3, H335; Aquatic Acute         5-         118; ③ Acute Tox. 4, H302; Skin Sens. 1, H317
Chemical Descripti Dangerou 1477-55-0 98-54-4 25620-58-0 Additiona	Characterization: Mixtures on: Is components: m-phenylenebis(methylamine) Skin Corr. 1B, H314; Eye Dam. 1, H3 4-tert-butylphenol Repr. 2, H361; Skin Corr. 1C, H31 2, H401 trimethylhexane-1,6-diamine Skin Corr. 1B, H314; Eye Dam. 1, H3 I Information:	There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section. 10- 18; () Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317 10- 14; Eye Dam. 1, H318; () Aquatic Chronic 2, H411; () STOT SE 3, H335; Aquatic Acute 5-
Chemical     Descripti     Dangerou     1477-55-0     98-54-4     25620-58-0     Additiona     First-ald     Descripti	Characterization: Mixtures on: Is components: Imphenylenebis(methylamine) Skin Corr. 1B, H314; Eye Dam. 1, H3 4-ten-butylphenol Repr. 2, H361; Skin Corr. 1C, H31 2, H401 Irimethylhexane-1,6-diamine Skin Corr. 1B, H314; Eye Dam. 1, H3 I information: I measures on of first aid measures	There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section.         318: ① Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317         10-         14: Eye Dam. 1, H318; ③ Aquatic Chronic 2, H411; ① STOT SE 3, H335; Aquatic Acute         5-         318: ③ Acute Tox. 4, H302; Skin Sens. 1, H317         5-         318: ③ Acute Tox. 4, H302; Skin Sens. 1, H317
Chemical     Descripti     Dangerou     1477-55-0     98-54-4     25620-58-0     Additiona     First-ald     Descripti	characterization: Mixtures on: Is components: Imphenylenebis(methylamine) Skin Corr. 1B, H314; Eye Dam. 1, H3 4-tert-bulyhenol Repr. 2, H361; Skin Corr. 1C, H31 2, H401 Irimethylhexane-1,6-diamine Skin Corr. 1B, H314; Eye Dam. 1, H3 I information: I measures for of first aid measures nformation: I ation: I contact:	There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section.         10-         118; ① Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317         10-         14; Eye Dam. 1, H318; ③ Aquatic Chronic 2, H411; ③ STOT SE 3, H335; Aquatic Acute         5-         118; ③ Acute Tox. 4, H302; Skin Sens. 1, H317
Chemical     Descripti     Descripti     Dangerou     1477-55-0     98-54-4     25620-58-0     Additiona     Additiona     Descripti     General i     After inhe     After skir     After skir     After swa     Informati	characterization: Mixtures on: Is components: Imphenylenebis(methylamine) Skin Coir. 1B, H314; Eye Dam. 1, H3 4-tert-butyhenol Repr. 2, H361; Skin Coir. 1C, H31 2, H401 trimethylhexane-1,6-diamine Skin Coir. 1B, H314; Eye Dam. 1, H3 I information: I measures on of first aid measures Information: I contact: I contact: I contact: I lowing: on for doctor: ortant symptoms and effects, both	There are no additional ingredients present which are classified as hazardous to health environment and on this basis need to be mentioned in this section.         318; ① Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317         10-         14; Eye Dam. 1, H318; ③ Aquatic Chronic 2, H411; ③ STOT SE 3, H335; Aquatic Acute         5-         56; ③ Acute Tox. 4, H302; Skin Sens. 1, H317         57         578; ④ Acute Tox. 4, H302; Skin Sens. 1, H317         57         57         50; Ø Acute Tox. 4, H302; Skin Sens. 1, H317         56         57         57         57         58; Ø Acute Tox. 4, H302; Skin Sens. 1, H317         57         56         57         57         57         58         59         50         60         61         61         62         63         64         64         65         67         66         67         67         68         68         69         69         60         60

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Trade name:			
Article number:	HERCULAN FC 4000 { B } 803750/18		
Application of the substance / the mixture	Coating compound/ Surface coating/ paint		
Details of the supplier of the safety data shee Manufacturer/Supplier:	t HERCULAN B.V. Energieweg 6 4231 DJ Meerkerk The Netherlands Phone +31 183 354700 Fax: +31 183 354740 e-mail: info@herculan.com		
Information department:	_ Enviromental department		
Emergency telephone number:			
	+49 (0) 6131 19240 [24 h - 365 d] - Giftinformationszentrale Mainz		
	or +31 (0) 183 354 700    [Mo - Fr. 8 - 17 oʻclock] - HERCULAN		
Hazard(s) identification			
Hazaru(S) Identification			
GHS08 Health hazard Repr. 2 H361 Suspected of damaging fertility or	the unborn child.		
Skin Corr. 1B H314 Causes severe skin burns and ey Eye Dam. 1 H318 Causes serious eye damage. GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reactio	- 		
Skin Corr. 1B H314 Causes severe skin burns and ey Eye Dam. 1 H318 Causes serious eye damage. GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction Label elements	n.		
Skin Corr. 1B H314 Causes severe skin burns and ey Eye Dam. 1 H318 Causes serious eye damage. GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction Label elements GHS label elements	n. The product is classified and labeled according to the Globally Harmonized System (GHS).		
Skin Corr. 1B H314 Causes severe skin burns and ey Eye Dam. 1 H318 Causes serious eye damage. GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction Label elements GHS label elements Hazard pictograms	n.		
Skin Corr. 1B H314 Causes severe skin burns and ey Eye Dam. 1 H318 Causes serious eye damage. GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction Label elements Hazard pictograms Signal word	nn. The product is classified and labeled according to the Globally Harmonized System (GHS). GHS05, GHS07, GHS08 Danger		
Skin Corr. 1B H314 Causes severe skin burns and ey Eye Dam. 1 H318 Causes serious eye damage. GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction Label elements	on. The product is classified and labeled according to the Globally Harmonized System (GHS). GHS05, GHS07, GHS08 Danger m-phenylenebis(methylamine) 4-tert-butylphenol		

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Printing date 08/02/2016	Reviewed on 08/02/2016	Printing date 08/02/2016	Reviewed on 08/02/2016
Trade name: HERCULAN FC 4000 { B }		Trade name: HERCULAN FC 4000 { B }	
Indication of any immediate medical attention	(Contd. of page 2)		(Contd. of page 3)
and special treatment needed	No further relevant information available.	<ul> <li>Control parameters</li> <li>Components with limit values that require monitoring at the workplace:</li> </ul>	The following constituent is the only constituent of the product which has a PEL, TLV or other
5 Fire-fighting measures			recommended exposure limit. At this time, the other constituents have no known exposure limits.
Extinguishing media		1477-55-0 m-phenylenebis(methylamine)	
· Suitable extinguishing agents:	CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.	REL Ceiling limit value: 0.1 mg/m³ Skin	
	Use fire fighting measures that suit the environment.	TLV Ceiling limit value: 0.1 mg/m³ Skin	
<ul> <li>Special hazards arising from the substance of minutes</li> </ul>		· Additional information:	The lists that were valid during the creation were used as basis.
mixture → Advice for firefighters	During heating or in case of fire poisonous gases are produced. Formation of toxic gases is possible during heating or in case of fire.	Exposure controls     Personal protective equipment:	
· Protective equipment:	Mount respiratory protective device. Do not inhale explosion gases or combustion gases.	· General protective and hygienic measures:	Keep away from foodstuffs, beverages and feed. Immediately remove all solled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately.
6 Accidental release measures			Avoid contact with the eyes. Avoid contact with the eyes.
· Personal precautions, protective equipment		Dura dh'inn a muin manda	Do not eat, drink, smoke or sniff while working.
and emergency procedures	Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.	· Breathing equipment:	Only during spraying without adequate removal by suction.
· Environmental precautions:	Do not allow to enter sewers/ surface or ground water.		
Methods and material for containment and	-		Use suitable respiratory protective device in case of insufficient ventilation. Use suitable respiratory protective device when high concentrations are present.
cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.	· Recommended filter device for short term	
	Dispose contaminated material as waste according to item 13.	use:	Combination filter A-P2
Deference to other continue	Ensure adequate ventilation.	Protection of hands:	Protective gloves
· Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.		
	See Section 13 for disposal information.		The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
• 7 Handling and storage		· Material of gloves	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance
· Handling:			and has therefore to be checked prior to the application.
Precautions for safe handling	No special measures required. Ensure good ventilation/exhaustion at the workplace.	Penetration time of glove material	The exact break trough time has to be found out by the manufacturer of the protective gloves
	Open and handle receptacle with care.		and has to be observed. The determined penetration times according to EN 374 part III are not performed under
Information about protoction against	Prevent formation of aerosols.		practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the
<ul> <li>Information about protection against explosions and fires:</li> </ul>	Keep respiratory protective device available.	· As protection from splashes gloves made of	penetration time, is recommended.
Conditions for safe storage, including any inc		the following materials are suitable:	Nitrile rubber, NBR
· Storage:	oompuubmiteo	· Eve protection:	Natural rubber, NR
<ul> <li>Requirements to be met by storerooms and</li> </ul>			Tightly sealed goggles
receptacles: · Information about storage in one common	No special requirements.		Highling dedied goggied
storage facility:	Not required.	· Body protection:	
· Further information about storage conditions	: Protect from frost.		Protective work clothing
	Keep receptacle tightly sealed.		
	Store in dry conditions. Store in a cool place.		
· Specific end use(s)	No further relevant information available.	9 Physical and chemical properties	
* 8 Exposure controls/personal protection	on	Information on basic physical and chemical p     General Information	properties
· Additional information about design of		· Appearance:	
technical systems:	No further data; see item 7.	Form:	Fluid
	(Contd. on page 4)		(Contd. on page 5)
	US		

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Trade name: HERCULAN FC 4000 { B }
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(Contd. of page 4)		(Contd. of page 5)
	• 11 Toxicological information	
	· Information on toxicological effects	
	· Acute toxicity:	
	· LD/LC50 values that are relevant for class	ification:
	1477-55-0 m-phenylenebis(methylamine)	
	Oral LD50 940 mg/kg (rat)	
	Dermal LD50 2000 mg/kg (rabbit)	
	Inhalative LC50/4 h 2.4 mg/l (rat)	
	98-54-4 4-tert-butylphenol	
	Oral LD50 4000 mg/kg (rat)	
	Dermal LD50 2288 mg/kg (rabbit)	
	Inhalative LC50/4 h 5.6 mg/l (rat)	
	Primary irritant effect:	
	on the skin:	Caustic effect on skin and mucous membranes.
	• on the eye:	Strong caustic effect.
	· Sensitization:	Strong irritant with the danger of severe eye injury. Sensitization possible through skin contact.
	· Additional toxicological information:	The product shows the following dangers according to internally approved calculation method
	riaansenar tenteeregieaa meenaaten	for preparations:
		Harmful
		Corrosive
		Irritant Swallowing will lead to a strong caustic effect on mouth and throat and to the danger o
		perforation of esophagus and stomach.
	· Carcinogenic categories	
	IARC (International Agency for Research	on Cancer)
	None of the ingredients is listed.	
	NTP (National Toxicology Program)	
	None of the ingredients is listed.	
	¥	
	OSHA-Ca (Occupational Safety & Health A	Administration)
	None of the ingredients is listed.	
	12 Ecological information	
	· Toxicity	
	Aquatic toxicity:	
	1477-55-0 m-phenylenebis(methylamine)	
	Accute LC50 75 mg/L (leuciscus idus) (96 h)	
	Acute EC50 15.2 mg/L (Daphnia Magna) (48 h)	
	12 mg/L (scenedesmus subspicatus	s) (72 h)
	LogPow 0.18 BCF (n-octanol/water)	·· · ·
	OECD 301 B 49 % (28 d)	

#### OECD 302 C 22 % (28 d) · Persistence and degradability · Behavior in environmental systems: · Bioaccumulative potential

• Mobility in soil

General notes:

· Additional ecological information:

No further relevant information available.

No further relevant information available. No further relevant information available.

Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Danger to drinking water if even small quantities leak into the ground. Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pHvalues. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into (Contd. on page 7)

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Trade name: HERCULAN FC 4000 { B }

		(Contd. of page 4)
Color:	According to product specification	
Odor:	Characteristic	
· Odor threshold:	Not determined.	
· pH-value at 20 °C (68 °F):	12	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	239 °C (462 °F)	
· Flash point:	111 °C (232 °F)	
· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	510 °C (950 °F)	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
· Vapor pressure:	Not determined.	
· Density at 20 °C (68 °F):	1.07144 g/cm³ (8.941 lbs/gal)	
· Relative density	Not determined.	
Vapor density	Not determined.	
· Evaporation rate	Not determined.	
<ul> <li>Solubility in / Miscibility with</li> </ul>		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/water):	Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	0.0 %	
Water:	0.0 %	
Solids content:	75.2 %	
<ul> <li>Other information</li> </ul>	No further relevant information available.	

## 10 Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability	
· Thermal decomposition / conditions to be	
avoided:	No decomposition if used according to specifications.
<ul> <li>Possibility of hazardous reactions</li> </ul>	No dangerous reactions known.
· Conditions to avoid	No further relevant information available.
· Incompatible materials:	No further relevant information available.
· Hazardous decomposition products:	No dangerous decomposition products known.

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Trade name: HERCULAN FC 4000 { B }		Trade name: HERCULAN FC 4000 { B }	
	(Contd. of page 6)		(Contd. of page 7
· Results of PBT and vPvB assessment	drains, is only low water-dangerous.	· Danger code (Kemler):	80
· PBT:	Not applicable.	EMS Number:	F-A,S-B
vPvB:	Not applicable.	Segregation groups     Stowage Category	Alkalis A
· Other adverse effects	No further relevant information available.	· Segregation Code	SG35 Stow "separated from" acids.
13 Disposal considerations		Transport in bulk according to Annex II     the IBC Code	of MARPOL73/78 and Not applicable.
· Waste treatment methods		· Transport/Additional information:	
· Recommendation:	Must not be disposed of together with household garbage. Do not allow product to reach	ADR	
	sewage system.	Excepted quantities (EQ)	-
<ul> <li>Uncleaned packagings:</li> <li>Recommendation:</li> </ul>			Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Recommendation.	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.	/ ////////////////////////////////////	
		· Limited quantities (LQ)	5L
* 14 Transport information		Excepted quantities (EQ)	
· UN-Number			Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
DOT, ADR, IMDG, IATA	UN2735	· UN "Model Regulation":	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (M-
· UN proper shipping name			PHENYLENEBIS(METHYLAMINE), 4-TERT-BUTYLPHENOL), 8, III
·DOT	Amines, liquid, corrosive, n.o.s. (m-phenylenebis(methylamine), 4-tert-		
ADR	butylphenol) 2735 Amines, liquid, corrosive, n.o.s. (m-phenylenebis(methylamine), 4-tert-	* 15 Regulatory information	
	butylphenol)	Safety, health and environmental regula	tions/legislation specific for the substance or mixture
· IMDG, IATA	AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), 4- tert-butylphenol)	· Sara	aons/registation specific for the substance of mixture
Transport hazard class(es)		· Section 355 (extremely hazardous subst	ances):
DOT		None of the ingredient is listed.	
		Section 313 (Specific toxic chemical list	ings):
		None of the ingredients is listed.	
		TSCA (Toxic Substances Control Act):	
Class	8 Corrosive substances	1477-55-0 m-phenylenebis(methylamine)	
·Label	8	25620-58-0 trimethylhexane-1,6-diamine	
ADR		68611-44-9 Silane, dichlorodimethyl-, reaction p • Proposition 65	
		• Chemicals known to cause cancer:	
		None of the ingredients is listed.	
		Chemicals known to cause reproductive	toxicity for females:
· Class	8 (C7) Corrosive substances	None of the ingredients is listed.	
· Label	8	Chemicals known to cause reproductive	e toxicity for males:
· IMDG, IATA		None of the ingredients is listed.	
		· Chemicals known to cause developmen	tal toxicity:
		None of the ingredients is listed.	·
		· Cancerogenity categories	
· Class · Label	8 Corrosive substances	· EPA (Environmental Protection Agency)	
	8	None of the ingredients is listed.	
· Packing group · DOT, ADR, IMDG, IATA	111	TLV (Threshold Limit Value established	by ACGIH)
• Environmental hazards:		None of the ingredients is listed.	· ·
• Marine pollutant:	No	MAK (German Maximum Workplace Con	centration)
Special precautions for user	Warning: Corrosive substances	None of the ingredients is listed.	
	(Contd. on page 8)	NIOSH-Ca (National Institute for Occupa	tional Safety and Health)
		None of the ingredients is listed.	
		· GHS label elements	The product is classified and labeled according to the Globally Harmonized System (GHS).
		Hazard pictograms	GHS05, GHS07, GHS08

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Trade name: HERCULAN FC 4000 { B }

PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Acute Tox. 4: Acute Dischip - Category 4 Skin Corr. 18: Skin corresson/irritation - Category 18 Skin Corr. 19: Skin corresson/irritation - Category 1 Exp Dam. 1: Serious eye damagedeye irritation - Category 1 Skin Sens. 1: Skin sensitisation - Category 2 STOT SE 3: Specific target organ toxicly (single exposure) - Category 3 Aquatic Acute 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 STOUS version

· \* Data compared to the previous version

altered.

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Trade name: HERCULAN FC 4000 { B }

		(Contd. of page
Signal word	Danger	
Hazard-determining components of labeling:	m-phenylenebis(m	nethylamine)
	4-tert-butylphenol	
	trimethylhexane-1	,6-diamine
Hazard statements	H332 Harmful if in	haled.
		ere skin burns and eye damage.
		an allergic skin reaction.
	H361 Suspected of	of damaging fertility or the unborn child.
Precautionary statements	P260	Do not breathe dusts or mists.
	P280	Wear protective gloves.
	P280	Wear eye protection / face protection.
	P264	Wash thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P272	Contaminated work clothing must not be allowed out of the workplace.
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood
	P303+P361+P353	B If on skin (or hair): Take off immediately all contaminated clothing. Rin
	D005 . D054 . D000	skin with water/shower.
		B If in eyes: Rinse cautiously with water for several minutes. Remove cont lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER/doctor.
	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable breathing.
	P321	Specific treatment (see on this label).
	P363	Wash contaminated clothing before reuse.
	P308+P313	IF exposed or concerned: Get medical advice/attention.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P301+P330+P331	1 If swallowed: Rinse mouth. Do NOT induce vomiting.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local/regional/nation international regulations.
National regulations:		
Water hazard class:	Water hazard clas	s 2 (Self-assessment): hazardous for water.
VOC		
VOC EU [%]	0.00 %	
VOCUSA	0.0 g/l / 0.00 lb/gl	
VOC CH	0 0	
VUC UN	0.00 %	

## · Chemical safety assessment:

#### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

A Chemical Safety Assessment has not been carried out.

<ul> <li>Department issuing SDS:</li> </ul>	Environmental Department
· Contact:	Dr. Michael Kissel
<ul> <li>Date of preparation / last revision</li> </ul>	08/02/2016 / 17
• Abbreviations and acronyms:	RID: Reglement international concernant le transport das marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)         ICAC: International CAV Avaion Organisation         ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carloge of Dangerous Goods by Read)         IMDC: International Cavidage of Dangerous Goods by Read)         IMDC: International Korde for Dangerous Goods by Read)         IMDC: International Korde for Dangerous Goods by Read)         IMDC: International Variance Organisation         IATA: International Aritime Code for Dangerous Goods         IMDC: International Air Transport Association         IATA: International Air Transport Association         IATA: International Variance Code for Chemical Substances         ELINCS: European Inventory of Existing Commercial Chemical Substances         CAS: Chemical Abstracts Sentée (division of the American Chemical Society)         NFPA: National Fire Protection Association (USA)         LCSG: Lethal concentration, 50 percent         LD80: Lethal dose, 50 percent         LD81: Alternation al vary Bioaccumulative and Toxic         Very Persistent, Bioaccumulative and Toxic         Very Provisitent and vary Bioaccumulative         NICSH: Vacional institute for Occupational Safety         VOSH: Vacional Institute for Occupational Safety         VOSH
	TLV: Threshold Limit Value
	(Contd. on page 10)