

Trade name : Revision : () Print date : ()		nalages 194	•	
		04.02.2020 04.04.2022	Version (Revision) :	4.0.0 (3.0.0)
I.	Identification	n of the substance	/mixture and of the company	/ undertaking
.1 1	Product identifie	r 10040404		
	Halades 194 (1	10010194)		
.2 1	Relevant identifi	ed uses of the substanc	e or mixture	
	PC 0.67 - Disir			
	Brofossional	e [30]		
	Industrial			
.3	Details of the su	pplier of the safety data	sheet	
	Manufacturer/S	Supplier :	Halag Chemie AG	
	Street :		Weiernstrasse 30	
	Postal code/cit	y:	CH-8355 Aadorf	
	Telephone :		+41584336868	
	Contact :		Matthias Trösch (matthia	s.troesch@halagchemie.ch)
	EU Representa	tion (CLP/REACH):	WOG Logistics GmbH	
	Street :		Radetzkystr. 126	
	Postal code/city	y:	AT-6845 Hohenems	
	Telephone :		+43 55 769 06 22	
	Teletax :		+43 55 769 06 22 10	
	E-mail :	hono numbor	admin@worldofgreen.at	
.4 1	Schweizerisches	s Tox-Zentrum, 24h-Notfa	llnr. 145, Telefon +41 44 251 51 51	
. .1 (Classification of Classification a Skin Corr. 1B ;	the substance or mixtur according to Regulation H314 - Skin corrosion/irri	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eve initiation : Category 1 : Causes seri	burns and eye damage.
.1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gl Signal word Danger Hazard compo	the substance or mixtui according to Regulation H314 - Skin corrosion/irri I318 - Serious eye damag ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH ponents for labelling	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP]	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (G Signal word Danger Hazard compo N-(3-AMINOF	the substance or mixtu according to Regulation H314 - Skin corrosion/irri H318 - Serious eye damag ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri the aquatic environment : Chronic 1 ; Ve No. 1272/2008 [CLP] S09)	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (G Signal word Danger Hazard compo N-(3-AMINOF NON-IONICS	the substance or mixtui according to Regulation H314 - Skin corrosion/irri H318 - Serious eye damag ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09)	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
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. 1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard statem H314	the substance or mixture according to Regulation H314 - Skin corrosion/irri H318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 tents	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09)	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
. 1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410	the substance or mixture according to Regulation H314 - Skin corrosion/irri 4318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82-	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
.	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary	the substance or mixtu according to Regulation H314 - Skin corrosion/irri f318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D ; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects.	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
.	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260	the substance or mixtui according to Regulation H314 - Skin corrosion/irri f318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects.	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
.	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264	the substance or mixtui according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects. 9
.	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273	the substance or mixtui according to Regulation H314 - Skin corrosion/irri f318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment.	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects. 9
. 1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280	the substance or mixtui according to Regulation H314 - Skin corrosion/irri f318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection.
. 1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310	the substance or mixtui according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec Immediately	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor	burns and eye damage. pus eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection.
.1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310 P321	the substance or mixtu according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec Immediately Special treat	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor ment (show the label or safety data sheet	burns and eye damage. pus eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection. to the doctor).
	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310 P321 P301+P330+	the substance or mixtu according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec Immediately Special treat P331 IF SWALLOW	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor ment (show the label or safety data sheet VED: rinse mouth. Do NOT induce vomiti	burns and eye damage. pus eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection. to the doctor). ng.
.1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310 P321 P301+P330+ P305+P351+	the substance or mixtu according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec Immediately Special treat P331 IF SWALLON P338 IF IN EYES:	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor ment (show the label or safety data sheet VED: rinse mouth. Do NOT induce vomiti Rinse cautiously with water for several mi	burns and eye damage. pus eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection. to the doctor). ng. nutes. Remove contact lenses, if present and ease
.1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310 P321 P301+P330+ P305+P351+	the substance or mixtu according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec Immediately Special treat P331 IF SWALLON P338 IF IN EYES: to do. Contin	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor ment (show the label or safety data sheet VED: rinse mouth. Do NOT induce vomiti Rinse cautiously with water for several mi ue rinsing.	burns and eye damage. pus eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection. to the doctor). ng. nutes. Remove contact lenses, if present and eas
.1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gl Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310 P321 P301+P330+ P305+P351+ P304+P340 P405	the substance or mixtu according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protect Immediately Special treat P331 IF SWALLOV P338 IF IN EYES: to do. Contin IF INHALED	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor ment (show the label or safety data sheet VED: rinse mouth. Do NOT induce vomiti Rinse cautiously with water for several mi ue rinsing. Remove person to fresh air and keep co	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection. to the doctor). ng. nutes. Remove contact lenses, if present and eas mfortable for breathing.
.1	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gl Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310 P321 P301+P330+ P305+P351+ P304+P340 P405 P504	the substance or mixtu according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec: Immediately Special treat P331 IF SWALLON P338 IF IN EYES: to do. Contin IF INHALED Store locked Discord Pairs	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor ment (show the label or safety data sheet VED: rinse mouth. Do NOT induce vomitil Rinse cautiously with water for several mi ue rinsing. Remove person to fresh air and keep co up.	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects.
	Classification of Classification a Skin Corr. 1B ; Eye Dam. 1 ; F Aquatic Chroni Label elements Labelling accor Hazard pictog Corrosion (Gi Signal word Danger Hazard compo N-(3-AMINOF NON-IONIC S LACTIC ACIE Hazard staten H314 H410 Precautionary P260 P264 P273 P280 P310 P321 P301+P330+ P305+P351+ P304+P340 P405 P501	the substance or mixtu according to Regulation H314 - Skin corrosion/irri 1318 - Serious eye damage ic 1 ; H410 - Hazardous to rding to Regulation (EC) grams HS05) · Environment (GH Denents for labelling PROPYL)-N-DODECYLPF SURFACTANT D; CAS No. : 79-33-4 hents Causes seve Very toxic to r statements Do not breat Wash the sk Avoid releas Wear protec: Immediately Special treat P331 IF SWALLOV P338 IF IN EYES: to do. Contin IF INHALED Store locked Disposal: Dis	re (EC) No 1272/2008 [CLP] tation : Category 1B ; Causes severe skin e/eye irritation : Category 1 ; Causes seri- the aquatic environment : Chronic 1 ; Ver No. 1272/2008 [CLP] S09) ROPAN-1.3-DIAMIN ; CAS No. : 2372-82- ere skin burns and eye damage. aquatic life with long lasting effects. he vapors. n immediately and thoroughly with plenty e to the environment. ive gloves/protective clothing/eye protecti call a POISON CENTER or doctor ment (show the label or safety data sheet VED: rinse mouth. Do NOT induce vomitil Rinse cautiously with water for several mi ue rinsing. Remove person to fresh air and keep co up. spose of contents to a recognized collection	burns and eye damage. ous eye damage. ry toxic to aquatic life with long lasting effects. 9 of water after contact or after handling. on/face protection. to the doctor). ng. nutes. Remove contact lenses, if present and eas mfortable for breathing.



Trade name : Revision : Print date :		Halades 194	
		04.02.2020 04.04.2022	Version (Revision) : 4.0.0 (3.0.0)
3.	Compositio	n/information on in	gredients
3.2	Mixtures		
	Hazardous ing	redients	
	N-(3-AMINOF	ROPYL)-N-DODECYLPR	DPAN-1.3-DIAMIN ; REACH No. : 01-2119980592-29 ; EC No. : 219-145-8; CAS No. : 2372
	Weight fract	ion ·	5 - 10 %
	Classificatio	n 1272/2008 [CLP] :	Acute Tox. 3 ; H301 STOT RE 2 ; H373 Skin Corr. 1B ; H314 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410
	NON-IONIC S	URFACTANT ; EC No. : P	olymer
	Weight fract	ion :	1 - 5 %
	Classificatio	n 1272/2008 [CLP] :	Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Chronic 3 ; H412
	LACTIC ACID	; REACH No. : 01-211947	4164-39 ; EC No. : 201-196-2; CAS No. : 79-33-4
	Weight fract	on :	1 - 5 %
	Classificatio	n 1272/2008 [CLP] :	Skin Corr. 1C ; H314 Eye Dam. 1 ; H318
	ANIONIC SUI	RFACTANT ; EC No. : Poly	mer
	Weight fract	on :	1 - 5 %
	Classificatio	n 1272/2008 [CLP] :	Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Chronic 3 ; H412
	Additional info	rmation	
	Full text of H-	and EUH-phrases: see sec	tion 16.
	Regulation (EC	C) No. 648/2004: Labelling	for contents
	disinfectants		5 - < 15 %
	non-ionic surf	actants	< 5 %
	anionic surfac	tants	< 5 %
4 . 4.1	First aid me Description of f General inform When in doub Following inha Remove casu respiration. If In case of skim Immediately r	asures irst aid measures hation t or if symptoms are obser- ilation alty to fresh air and keep w unconscious place in recov contact emove any contaminated c	red, get medical advice. arm and at rest. Keep at rest. If breathing is irregular or stopped, administer artificial ery position and seek medical advice. lothing, shoes or stockings. Wash with plenty of water. Keep at rest. Call a physician
1. 1.1	First aid me Description of f General inform When in doub Following inha Remove casu respiration. If In case of skim Immediately r immediately. After ontact immediately. After ingestion Call a physicia (only if the pe Most important No information	asures irst aid measures hation t or if symptoms are obser- lation alty to fresh air and keep w unconscious place in recov contact emove any contaminated c act with the eyes, rinse with wa Flush with plenty of water (an immediately. Keep at re- rson is conscious) and obta symptoms and effects, b available.	ved, get medical advice. arm and at rest. Keep at rest. If breathing is irregular or stopped, administer artificial ery position and seek medical advice. lothing, shoes or stockings. Wash with plenty of water. Keep at rest. Call a physician ter with the eyelids open for a sufficient length of time, then consult an ophthalmologist 10-15 min.). Call a physician immediately. st. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water in immediate medical attention. oth acute and delayed
1. 1.1 1.2 1.3	First aid me Description of f General inform When in doub Following inha Remove casu respiration. If In case of skim Immediately r immediately. After contact immediately. I After contact immediately. I After contact immediately. I After ingestion Call a physicia (only if the pe Most important No information Indication of an Nano	asures irst aid measures hation t or if symptoms are obser- lation alty to fresh air and keep w unconscious place in recov contact emove any contaminated of act with the eyes, rinse with wa Flush with plenty of water (an immediately. Keep at re- rson is conscious) and obta symptoms and effects, b available. y immediate medical atte	red, get medical advice. arm and at rest. Keep at rest. If breathing is irregular or stopped, administer artificial ery position and seek medical advice. lothing, shoes or stockings. Wash with plenty of water. Keep at rest. Call a physician ter with the eyelids open for a sufficient length of time, then consult an ophthalmologist 10-15 min.). Call a physician immediately. st. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water in immediate medical attention. oth acute and delayed intion and special treatment needed
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4. 4.1 4.2 4.3 5.	First aid me Description of f General inform When in doub Following inha Remove casu respiration. If In case of skim Immediately r immediately. After contact After contact After contact Call a physicia (only if the pe Most important No information Indication of an None Firefighting Co-ordinate fire-1	asures irst aid measures hation t or if symptoms are obsen- lation alty to fresh air and keep we unconscious place in recove contact emove any contaminated of act with the eyes, rinse with wa Flush with plenty of water (an immediately. Keep at re- rson is conscious) and obta symptoms and effects, b available. y immediate medical atter measures ighting measures to the first	ved, get medical advice. arm and at rest. Keep at rest. If breathing is irregular or stopped, administer artificial ery position and seek medical advice. lothing, shoes or stockings. Wash with plenty of water. Keep at rest. Call a physician ter with the eyelids open for a sufficient length of time, then consult an ophthalmologist 10-15 min.). Call a physician immediately. st. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water in immediate medical attention. oth acute and delayed intion and special treatment needed
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4. 1.1 1.3 5.1 5.2 5.3	First aid me Description of f General inform When in doub Following inha Remove casu respiration. If In case of skin Immediately r immediately r immediately. After expected After contact v After contact v After contact v After contact v After ontact v After ontact v After ontact v After ontact v After ontact v Most important No information Indication of an None Firefighting Co-ordinate fire-f Extinguishing in Suitable exting Foam Water s Special hazards Not combustible contact with me Advice for firefit Special protect	asures irst aid measures hation t or if symptoms are obser- ilation alty to fresh air and keep w unconscious place in recov- contact emove any contaminated c act with the eyes, rinse with wa Flush with plenty of water (an immediately. Keep at re- rson is conscious) and obta symptoms and effects, b available. y immediate medical attee measures ighting measures to the first nedia juishing media pray jet Water mist Dry ex- arising from the substar e under normal conditions. tals. ghters tive equipment for firefig Wear self-contained breat	red, get medical advice. arm and at rest. Keep at rest. If breathing is irregular or stopped, administer artificial ery position and seek medical advice. Iothing, shoes or stockings. Wash with plenty of water. Keep at rest. Call a physician ter with the eyelids open for a sufficient length of time, then consult an ophthalmologist 10-15 min.). Call a physician immediately. st. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water in immediate medical attention. oth acute and delayed Intion and special treatment needed e surroundings. inguishing powder Carbon dioxide (CO2) ice or mixture In case of fire may be liberated: The product develops hydrogen in an aqueous solution in hters hing apparatus.
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4. 4.1 4.1 5. 5. 5.2 5.3 5.4 5.1 5.1	First aid me Description of f General inform When in doub Following inha Remove casu respiration. If In case of skim Immediately r immediately. After contact immediately. After contact immediately. After contact immediately. After ingestion Call a physicia (only if the pe Most important No information Indication of an None Firefighting Co-ordinate fire-fi Extinguishing m Suitable exting Foam Water s Special hazards Not combustible contact with me Advice for firefif Special protec In case of fire Additional infor Do not allow run	asures instaid measures nation t or if symptoms are obser- ilation alty to fresh air and keep we unconscious place in recove contact emove any contaminated of act with the eyes, rinse with wa Flush with plenty of water (an immediately. Keep at re- rson is conscious) and obta symptoms and effects, be available. y immediate medical attee measures ighting measures to the first redia pushing media pray jet Water mist Dry ex- a an ing from the substar e under normal conditions. tals. ghters tive equipment for firefig Wear self-contained breat mation n-off from fire-fighting to em- release measures utions, protective equipment te ventilation. Inhalation of	red, get medical advice. arm and at rest. Keep at rest. If breathing is irregular or stopped, administer artificial ery position and seek medical advice. lothing, shoes or stockings. Wash with plenty of water. Keep at rest. Call a physician ter with the eyelids open for a sufficient length of time, then consult an ophthalmologist 10-15 min.). Call a physician immediately. st. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water in immediate medical attention. oth acute and delayed ntion and special treatment needed e surroundings. inguishing powder Carbon dioxide (CO2) ice or mixture In case of fire may be liberated: The product develops hydrogen in an aqueous solution in hters hing apparatus. ter drains or water courses.
4. 4.1 4.1 5. 5.1 5.2 5.3 5.4 6. 5.1 5.2	First aid me Description of f General inform When in doub Following inha Remove casu respiration. If In case of skim Immediately r immediately r immediately. After eye cont After ontact v immediately. After eye cont After contact v immediately. After ingestion Call a physicia (only if the pe Most important No information Indication of an None Firefighting Co-ordinate fire-fi Extinguishing m Suitable exting Foam Water s Special hazards Not combustible contact with me Advice for firefi Special protec In case of fire Additional infor Do not allow run Accidental I Personal precat Provide adequa	asures instaid measures nation t or if symptoms are obser- ilation alty to fresh air and keep we unconscious place in recove contact emove any contaminated of act with the eyes, rinse with was- Flush with plenty of water (an immediately. Keep at re- rson is conscious) and obta symptoms and effects, be available. y immediate medical atter measures ighting measures to the first- redia pushing media pray jet Water mist Dry ext arising from the substar e under normal conditions. tals. ghters tive equipment for firefig Wear self-contained breat mation n-off from fire-fighting to em- release measures tions, protective equipment to ventilation. Inhalation of precautions	<pre>ved, get medical advice. arm and at rest. Keep at rest. If breathing is irregular or stopped, administer artificial ery position and seek medical advice. lothing, shoes or stockings. Wash with plenty of water. Keep at rest. Call a physician ter with the eyelids open for a sufficient length of time, then consult an ophthalmologist 10-15 min.). Call a physician immediately. at. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water in immediate medical attention. oth acute and delayed ntion and special treatment needed e surroundings. inguishing powder Carbon dioxide (CO2) ice or mixture In case of fire may be liberated: The product develops hydrogen in an aqueous solution in hters hing apparatus. ter drains or water courses. ent and emergency procedures vapours or spray/mists Avoid: See protective measures under point 7 and 8.</pre>

range : Flash point :

Density :

Vapour pressure :



Trad	le name :	Halades 194	1		SWITZERLAND
Povi	sion ·	04.02.2020	• Vorsion (Povisi	- (n	4 0 0 (3 0 0)
Prin	t date :	04.04.2022	version (Revision	511) :	4.0.0 (3.0.0)
6.3	waterways, soi Methods and m For cleaning u Soak up inert barriers).	il or drains, inform the resp naterial for containment a up t absorbent and dispose as	onsible authorities. and cleaning up s waste requiring special attention	n. Preve	nt spread over a wide area (e.g. by containment or oil
6.4	None	ther sections			
7.	Handling a	nd storage			
7.1	Avoid contact v regulations To formation. Do r	r safe handling with skin, eyes and clothes follow : Normal precaution not breathe spray.	. When using do not eat, drink, s is taken when handling chemical	moke, s s should	niff. Other regulations, restrictions and prohibition be observed. Keep locked up. Prevent aerosol
7.2	Conditions for Requirements	safe storage, including a for storage rooms and v	ny incompatibilities /essels		
	Keep/Store o 30 °C. Always accordance v Hints on joint Storage class	nly in original container. No s close containers tightly a vith local official regulation: storage ss (Switzerland): 8	otice the directions for use on the fter the removal of product. Ensu s.	e label. k ire adeq	Keep container tightly closed. Storage temperature: 5 - uate ventilation of the storage area. Store in
	Do not store	e together with			
	Keep away Further inforn	from: Acid Oxidizing agent nation on storage conditi	ions		
7 2	Shelf life from	n production: 2.5 years			
1.3	None	56(5)			
8.	Exposure c By law, the emp in Section 8.1 as measurements r every situation in	controls/personal p loyer is obliged to carry ou s defined by the authorities must be made in order to e n which a risk cannot be ex- reliant of the risk.	rotection t a risk assessment and to define is exceeded, all the protective mensure compliance with the officia coluded. If the assessment shows	e suitable neasures Il threshes a low r	e measures appropriate to the risk. If the threshold limit s listed in Section 8.2 must be applied and regular old limits. The described measures must be applied in isk for endangering the employees, the measures can
8.1	Control parame	eters			
8.2	None Exposure cont	rols			
	Personal prot	ection equipment			
	Wash hands	before breaks and after wo	ork.		
	Use safety	glasses or face protection t	to EN 166.		
	Skin protect	ion			
	Hand prote Suitable cl resistance mm, test c information in practice 374. The s at least rin	ection hemical resistant protective): 30 minutes. Material: Nit hemicals used: J,K,L,O,P, n is based on the manufac (due to many influencing f service life of a glove can b used off under a running tag	e gloves according to ISO EN 37- rile. thickness >= 0.38 mm. Glov T) or Sol-Vex 37-185 (Type A, th turer's specifications. It should be factors such as e.g. heat) may be be considerably prolonged, if it is p. Rub greasy ointment into the s	4-1:2016 e recom ickness e noted t e shorter regularly kin.	5: Type A or B, Permeation resistance (penetration mendation: Sol-Vex 37-675 (Type A, thickness 0.38 0.56 mm, test chemicals used: A,G,J,K,L,P,T) This that the daily service life of a chemical protective glove than the permeation time determined according to EN y washed with soap and water after work is finished or
	Body prote	ection	-N 14605 EN 20344 EN 20245	nrotecti	ve clothing and boots
	Respiratory	protection	Lit 17000, LIT 20044, EIT 20040.	protecti	ve optimity and bools.
	EN 143, EN	I 14387. None, if handled a	according to order.		
9. 9.1	Physical an Information on Appearance Physical sta Colour : light Odour : chara	Id chemical proper basic physical and chem te : Liquid t yellow (batch-related colo cteristic	ties nical properties or differences possible)		
	Safety charac	teristics			
	Initial boiling	g point and boiling	(1013 hPa)		not applicable

(50 °C)

(20 °C)

not applicable

not applicable

1.02 g/cm³



Trade name :		Halades 194				
Revis Print	sion : date :	04.02.2020 04.04.2022	Ver	sion (Revision) :	4.0.0 (3.0.	0)
	Solvent sep Solubility in	aration test : water :	(20 °C)	wel	not applicable Il water-solubly	
	pH :				9.9	
	pH value :		(20 °C / 5 g/l)		8.7	
	Viscosity;		(5 °C)	approx.	5	mPa*s
-	Viscosity :		(20 °C)	approx.	4	mPa*s
.2	Other Informati	on				
	None					
0.	Stability an	d reactivity				
0.1	Reactivity					
~ ~	No information	available.				
0.2	No information	lity available				
0.3	Possibility of h	available.				
	No information	available.				
0.4	Conditions to a	void				
	Stable under re	commended storage	and handling conditions	(See section 7).		
0.5	Incompatible m	aterials				
• •	Acid Keep awa	y trom: Oxidizing age	nt.			
0.6	None known	omposition products	5			
	None known.					
1.	Toxicologic	al information				
1.1	Information on	hazard classes as d	efined in Regulation (E	C) No 1272/2008		
	Acute toxicity	,				
	Acute oral to	oxicity				
	Parameter :		LD50 (NON-ION	IIC SURFACTANT)		
	Exposure	oute :	Oral			
	Species :		Rat			
	Effective a	ose :	2000 mg/kg			
	Parameter :				2 1)	
	Exposure	route ·	Oral	(CID , CAS NO 79-3	5-4)	
	Species :		Rat			
	Effective d	ose :	3543 mg/kg			
	Parameter :		LD50 (ANIONIC	SURFACTANT)		
	Exposure	route :	Oral			
	Species :		Rat			
	Effective d	ose :	2870 mg/kg			
	Method :		OECD 401			
	Parameter :	auta .	LD50 (N-(3-AMI	NOPROPYL)-N-DODE	ECYLPROPAN-	1.3-DIAMIN ; CAS No. : 2372-82-9)
	Exposure i	oule :	Drai			
	Effective d	ose ·	243.6 mg/kg			
	Acute derma	al toxicity	2 roto mg/ng			
	Parameter :		LC50 (LACTIC A	ACID ; CAS No. : 79-3	3-4)	
	Exposure	route :	Dermal	,	,	
	Species :		Rabbit			
	Effective d	ose :	2000 mg/kg			
	Parameter :		LD50 (ANIONIC	SURFACTANT)		
	Exposure	oute :	Dermal			
	Species :		Rat			
	Effective d	ose :	> 2000 mg/kg			1 2 DIAMINE CAS No 0070 00 0.
	Farameter:	route :	LUOU (N-(3-AMI) Dermal	NOFROFIL-N-DODE	EGTLPROPAN-	1.3-DIAIVIIN, CAS INO. : 2372-82-9)
	Species		Rat			
	Effective d	ose :	> 600 ma/ka			
	Parameter :		LD50 (NON-ION	IIC SURFACTANT)		
	Exposure	route :	Dermal	,		
	Species :		Rabbit			
	Effective d	ose :	2000 mg/kg			
	Method :		OECD 402			
	Acute inhala	tion toxicity			a ()	
	Parameter :		LC50 (LACTIC A	ACID ; CAS No. : 79-3	3-4)	

Sat	fety Data S	Sheet n (EC) No. 1907/2006 (
Trade name :		Halades 19	4	3 WIIZERLAND	
Revis Print	sion : date :	04.02.2020 04.04.2022	Version (Revision) :	4.0.0 (3.0.0)	
	Exposure ro	oute :	Inhalation Pot		
	Effective do	SB .	7400 mg/m^3		
	Parameter ·	30.	LD50 (NON-IONIC SURFACTANT)		
	Exposure ro	oute :	Inhalation		
	Species :		Rat		
	Effective do	se :	1600 mg/l		
	Exposure tir	me :	4 h		
	Method :		OECD 403		
11.2	Information on c	other hazards			
	Prolonged or r Eye contact: C burns at mouth calculation me	epeated contact with ski auses burns. Inhaling: in 1, throat, mucous memb thod of the Preparations	n or mucous membrane result in irritation s n high concentration irritations of the mucou rane, esophagus, stomach, intestine. The c Directive (1999/45/EC).	symptoms such as redness, blistering, dermatitis, etc. us membranes possible. After swallowing: Causes classification was carried out according to the	
12.	Ecological in	nformation			
12.1	Toxicity				
	Aquatic toxicit	y howen) fint for the			
	Acute (short-	term) fish toxicity			
	Species ·		Acute (short-term) fish toxicity		
	Effective do	se ·	2.5 mg/l		
	Exposure ti	me :	96 h		
	Parameter :		LC50 (LACTIC ACID ; CAS No. : 79-33	3-4)	
	Species :		Brachydanio rerio (zebra-fish)		
	Effective do	se :	320 mg/l		
	Parameter :		LC50 (ANIONIC SURFACTANT)		
	Species :		Acute (short-term) fish toxicity		
	Effective do	se :	7.1 mg/l		
	Exposure til	me :			
	Species :		Acute (short-term) fish toxicity	- CTEI NOI AN-1.3-DIAMIN , CAS NO 2372-02-3)	
	Effective do	se :	0.68 mg/l		
	Exposure tir	me :	96 h		
	Acute (short-	term) toxicity to crusta	cea		
	Parameter :		EC50 (NON-IONIC SURFACTANT)		
	Species :		Daphnia magna (Big water flea)		
	Effective do	se :	1.5 mg/l		
	Exposure til	ne :		2.4.)	
	Species :		EC50 (LACTIC ACID; CAS No. : 79-3	3-4)	
	Effective do	se :	130 mg/l		
	Exposure ti	me :	48 h		
	Parameter :		EC50 (ANIONIC SURFACTANT)		
	Species :		Acute (short-term) toxicity to crustacea		
	Effective do	se :	7.4 mg/l		
	Exposure ti	me :	48 h		
	Parameter :		EC50 (N-(3-AMINOPROPYL)-N-DODE	ECYLPROPAN-1.3-DIAMIN ; CAS No. : 2372-82-9)	
	Species :	00 ·	Daphnia magna (Big water flea)		
	Enective do	50. mo:	48 h		
	Acute (short-	term) toxicity to aquati	c algae and cvanobacteria		
	Parameter :		EC50 (N-(3-AMINOPROPYL)-N-DODE	ECYLPROPAN-1.3-DIAMIN ; CAS No. : 2372-82-9)	
	Species :		Acute (short-term) toxicity to aquatic al	gae and cyanobacteria	
	Effective do	se :	0.054 mg/l	-	
	Exposure tir	me :	72 h		
	Parameter :		EC50 (LACTIC ACID ; CAS No. : 79-3	3-4)	
	Species :		Acute (short-term) toxicity to aquatic al	gae and cyanobacteria	
	Effective do	se :			
	Parameter :		EC50 (ANIONIC SURFACTANT)	ase and evanobacteria	
	Species : Effective do	se '	27 7 mg/l	yae anu cyanobaciena	
	Exposure ti	ne :	72 h		
12.2	Persistence and	degradability	. =		

Trade name :

Halades 194



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Print	date :	04.04.2022	
	Biodegradatio	n	
	Parameter :		Biodegradation (N-(3-AMINOPROPYL)-N-DODECYLPROPAN-1.3-DIAMIN ; CAS No. : 2372-
			82-9)
	-		Biodegradation
	Value		91 %
	Period:		28 D
	Method :		OEUD 302B
	Parameter:		
	Value		200 %
	Evoluction :		20 D Readily biodegradable (according to OECD criteria)
	Evaluation .		
	Parameter ·		Bismuth-active substance (NON-IONIC SUBFACTANT)
	Value		
	Method ·		
	Parameter ·		Biodegradation (ANIONIC SUBFACTANT)
	-		
	Value		77 - 79 %
	Period [.]		28 D
	Evaluation ·		Readily biodegradable (according to OECD criteria)
	Method :		OECD 301D
12.3	Bioaccumulativ	e potential	
	No information	available.	
12.4	Mobility in soil		
	No information	available.	
12.5	Results of PBT	and vPvB assessme	ent
	The substances	s in the mixture do no	t meet the PBT/vPvB criteria according to REACH, annex XIII.
12.6	Endocrine disru	pting properties	0
	No information	available.	
12.7	Other adverse e	effects	
	No information	available.	
12.8	Additional ecot	oxicological informa	tion
	The sewage lib	erated during use car	be emptied into drains after separation of the solid material part and with preceeding
	neutralization.	When leading acid or	alkaline products into sewage disposal plants, the waste water lead in must not be above or below a
	ph-value of 6.5	to 9, for a displaceme	ent of the ph-value may cause disturbances in sewers and biological sewage works. Local rules
	nave priority.		
13.	Disposal co	nsiderations	
13.1	Waste treatmen	t methods	
	Directive 2008	/98/EC (Waste Fram	ework Directive)
	Product residu	ues are considered as	s special refuse and are by the label "special refuse" and the waste code to be marked. Non-
	contaminated	packages may be rec	cycled.
	After intende	d use	
	Waste code	s/waste designation	is according to EWC/AVV
	EU: Waste	code (2008/98/EG): 2	20 01 15* // CH: Waste code (VeVA, SR 814.610): 20 01 15 S // AT: Waste code (ÖNORM S 2100):
	52402 Lye	s Waste code (91/689	/EEC) : 20 01 99 -
14.	Transport ir	formation	
14 1	UN number		
	UN 1903		
14.2	UN proper ship	ping name	
	Land transpor	t (ADR/RID)	
	DISINFECTA	NT, LIQUID, CORRO	SIVE, N.O.S. (N-(3-AMINOPROPYL)-N-DODECYLPROPAN-1.3-DIAMIN)
	Sea transport	(IMDG)	
	DISINFECTA	NT, LIQUID, CORRO	SIVE, N.O.S. (N-(3-AMINOPROPYL)-N-DODECYLPROPAN-1.3-DIAMIN)
	Air transport (ICAO-TI / IATA-DGR	
	DISINFECTA	NT, LIQUID, CORRO	, SIVE, N.O.S. (N-(3-AMINOPROPYL)-N-DODECYLPROPAN-1.3-DIAMIN)
14.3	Transport haza	rd class(es)	
	Land transpor	t (ADR/RID)	
	Class(es) :	. ,	8
	Classificatio	n code :	C9
	Hazard ident	ification number (Ke	emler No.) : 80
	Tunnel restri	iction code :	E
	Special prov	isions :	LQ 5 I · E 1
	Hazard label	(s) :	8 / N



Revision : 04.02.2220 Version (Revision) : 4.0.0 (30.0) Print date : 04.04.2022 Sea transport (MDO) Class(es) : 8 EmS-No. : F-A/S-B Hazard label(s) : 8 H	rraue name :		Halades 194			
Sea transport (MDG) 8 Class(es): 8 Hazard label(s): 8 / N Air transport (ICAO-TI / IATA-DGR) 8 Class(es): 8 Hazard label(s): 8 Land transport (ADD/TI / IATA-DGR): Yes Sea transport (IMCO): Yes (P) Air transport (IADO-TI / IATA-DGR): Yes Sea transport (IADO: Ty ref (P) Air transport (IADO: Ty ref (P) Air transport (IADO: To restrictions on use Restrictions on use Restrictions on use Restrictions on use Restrictions according to REACH annex XVII, no.: 3 Natioonal regulations Water hazard class (WGK) Classification according to AvSV - Class : 2 (Obviously hazardous to water) Chemical safety assessment No information No information 16. Cherinformation 16. Indication according to AvSV - Class : 2 (Obviously hazardous to water) 17. Cherwide alabidy assesament	Revis Print	sion : date :	04.02.2020 04.04.2022	Version (Revision) :	4.0.0 (3.0.0)	
Class(ep): 8 Emb.No.: F-A/S-B Hazard label(s): 8/N Air transport (CAO-TI / IATA-DGR) Class(es): 8 Hazard label(s): 8 <t< th=""><th></th><th>Sea transport</th><th>(IMDG)</th><th></th><th></th><th></th></t<>		Sea transport	(IMDG)			
Ems.*io. F-A/S-B Hazard Iabel(s): 8 / N Air transport (ICAO-TI / IATA-DGR) B Class(es): 8 Hazard Iabel(s): 7 Hazard Iabel(s): 8 Hazard Iabel(s): 8 Hazard Iabel(s): 8 Hazard Iabel(s): 9 Hazard Iabel(s): 8 Hazard Iabel(s): 8 Hazard Iabel(s): 8 Hazard Iabel(s): 8 Hazard Iabel(s): 1 Hazard Iabel(s): 1 Classification according to AMSV - Class : 2 (Obviously hazardous water) Clase Iabeliabeliabel according to Regulation (EC) No. 127		Class(es) :	(8		
Hazard label(s): 8 / N Air transport (ICAO-TI / IATA-DGR) 8 Class(so): 8 Hazard label(s): 8 42 Packing group III 8 43 Environmental hazards Land transport (IADQ: Y vs (P) Air transport (IADQ: Y vs (P) Authorisations and/or restrictions on use Restrictions accurding to REACH annex XVII, no. : 3 National regulations Water hazard class (WGK) Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac		EmS-No. :		F-A / S-B		
Air transport (ICAO-TI / IATA-DGR) Class(es) : 8 Hazard label(s) : 3 National regulations 8 Water hazard class (WGK) Classification according to REACH annex XVII, no. : Chemical stefy assessment 8 No information 8 Indication of changes 9 C. Classification of the substance or mixture : 9 C. Classification of the substance or mixture : 9 C. Classification of the substance or mixture : 9 C. Classification of the substance or mixture : 9 C.		Hazard labe	l(s) :	8 / N		
Class(es): 8 Hzzard label(s): 8 Hzzard label(s): 8 42 Packing group III 1 Environmental hzards 1 Land transport (ADR/RD): Yes 5 Special procesultions for user 5 None 5 5.5 Regulatory information 5.6 Stafox, haalth and environmental regulations/legislation specific for the substance or mixture EU legislation Authorisations and/or restrictions on use Restrictions on use The product is intended for professional use. Use restriction according to REACH annex XVII, no. : 3 National regulations Water hazard class (WGK) Classification of the substance or mixture : 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a cording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling ac to Regulation for manager 61 Othe		Air transport	(ICAO-TI / IATA-DGR)			
Hazard label(s): 8 44 Packing group III 45 Environmental hazards Land transport (ADR/RD): Yes Sea transport (MDG): Yes (P) Air transport (ADR/RD): Yes (P) Air transport (ADR/RD): Yes (P) Air transport (ADR/RD): Yes (P) 55 Regulatory information 51 Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation Authorisations and/or restrictions on use Restrictions on use The product is intended for professional use. Use restriction according to REACH annex XVII, no. : 3 National regulations Water hazard class (WGK) Classification according to ARSV - Class : 2 (Obviously hazardous to water) 50 Chemical safety assessment No information according to ARSV - Class : 2 (Obviously hazardous to water) 51 Indication of changes 02. Classification of the substance or mixture : 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP] · 02. Labelling according to regulation (EC) No. 1272/2008 (CLP] · No. Information available. 62. Classification for mi		Class(es)		8		
 4.4 Packing group III Environmental hazards Land transport (ADR/RID): Yes Sea transport (MDG): Yes (P) Ar transport (ADR/RID): Yes 4.5 Special precautions for user None 15. Regulatory information 15. Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation Authorisations and/or restrictions on use Restrictions on use Classification according to REACH annex XVII, no.: 3 National regulations Vater hazard class (WGK) Classification according to AwSV - Class : 2 (Obviously hazardous to water) 15. Chemical safety assessment No information 16. Other information 16. Indication of the substance or mixture - 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cording to regulation (EC) No. 1272/2008 (CLP) - 02. Labelling a cor		Hazard labe	l(s) :	8		
III III III III III III III III III I	4.4	Packing group				
Land transport (MDC/NID): Yes (Sea transport (ICAO-TI / IATA-DGR): Yes (Part transport (ICAO-TI / IATA-DGR): Yes (Special precautions for user (None (5.1 Segulatory information (5.1 Segulatory information (5.2 Regulatory information (5.3 Regulatory information on use (Restrictions on use (Restriction according to REACH annex XVII, no. : 3 (National regulation (Subsection according to REACH annex XVII, no. : 3 (National regulation according to REACH annex XVII, no. : 3 (National regulation according to REACH annex XVII, no. : 3 (National regulation according to REACH annex XVII, no. : 3 (National regulation according to AWSV - Class : 2 (Obviously hazardous to water) (5.2 Chemical safety assessment (No information available. (5.4 Other information (6.5 Regulation (EC) No. 1272/2008 (CLP) - Hazard components for labelling - 03. Hazardous ingredients - 12. Ecological information (6.1 Indication of changes (0.2 Classification of the substance or mixture - 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP) - 02. Labelling according to Regulation (EC) No. 1272/2008 (CLP) - 14. Unproper shipping name - Land transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14. UN proper shipping name - Sea transport (ADR/RD) - 14.	4.5	III Environmental	hazards			
Sea transport ((MDC): Yes (P) Air transport ((AC) // IATA-DGR): Yes 14.6 Special precautions for user None 15. Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation Authorisations and/or restrictions on use Restrictions on use The product is intended for professional use. Use restriction according to REACH annex XVII, no. : 3 National regulations Water hazard class (WGK) Classification according to A&SV - Class : 2 (Obviously hazardous to water) 15.2 Chemical safety assessment No information available. No information available. 16. Other information 16.1 Indication of the substance or mixture - 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - 02. Labelling at a respont (ADC) / 1/ATA-DGR) - 14. Transpont hazard acs(se) - Land transpont (ADR/RID) - 14. UN proper shipping name - Land transport (ADR/RID) - 14. UN proper shipping name - Land transport (ADCR) - 14. Transpont hazard acs(se) - Land transport (ADR/RID) - 14. UN proper shipping name - Sea transport (MDG) - 14. Transpont hazard acs(se) - Land transport (ADR/RID) - 14. UN proper shipping name - Land transport (ADR/RID) - 15. Restrictions on use - 15. Wate hazard class (WGK) 16.2 Abtraviations and acronyms None 16.3 Key Il		Land transpo	rt (ADR/RID): Yes			
Air transport (ICAO-TI / IATA-DGR): Yes 14.6 Special procesutions for user None 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU (sigistation Authorisations and/or restrictions on use Restrictions on use Restrictions courding to REACH annex XVII, no. : 3 National regulation Water hazard class (WGK) Classification according to REACH annex XVII, no. : 3 Value restriction according to REACH annex XVII, no. : 3 National regulation (Classification according to AWSV - Class : 2 (Obviously hazardous to water) 15.2 Chemical safety assessment No information available. 16. Other information 16.1 Indication of changes 02. Classification of the substance or mixture : 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - 02. Labelling ac to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling : 03. Hazardous ingredients: 12. Ecological information UV proper shipping name - Land transport (ADR/RID) - 14. UN proper shipping name - Sat transport (MDG) - 14. UN proper shipping name - Land transport (ADR/RID) - 14. UN proper shipping name - Land transport (ADR/RID) - 14. UN proper shipping name - Sat transport (ADR/RID) - 14. Water present hazard class(es) - Land transport (ADR/RID) - 14. Water present hazard class(es) - Land transport (ADR/RID) - 14. Water present hazard class(es) - Land transport (ADR/RID) - 14. Water present hazard class (WGK) 16.4 Abbroviations and accoryms None None None		Sea transport	(IMDG): Yes (P)			
 14.6 Special precautions for user None 15. Regulatory information 15. Satety, health and environmental regulations/legislation specific for the substance or mixture EU legislation Authorisations and/or restrictions on use Restrictions on use The product is intended for professional use. Use restriction according to REACH annex XVII, no. : 3 National regulations Water hazard class (WGK) Classification according to AwSV - Class : 2 (Obviously hazardous to water) 15.2 Chemical safety assessment No information available. 16. Other information 16.1 Indication of changes 02. Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling a coording to Regulation (EC) No 1272/2008 [CLP] · 02. Labelling a class (WGK) 16.3 Abbreviations and acronyms None 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP] No information available. 16.5 Relevant H - and EUH-phrases (Number and full text) 17.6 Clauses skin imitation. 18.18 Causes seriences and used evaluation method according to regulation (EC) No 1272/2008 [CLP] No information available. 18.5 Relevant H - and EUH-phrases (Rumber and full text) 19.10 Toxic if swallowed. 19.11 Main Causes se		Air transport	(ICAO-TI / IATA-DGR): Yes	6		
None 15. Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU (sigislation Authorisations and/or restrictions on use Restrictions con use Restriction according to REACH annex XVII, no. : 3 National regulations Use restriction according to REACH annex XVII, no. : 3 National regulation according to AvSV - Class : 2 (Obviously hazardous to water) 15.2 15.2 Chemical safety assessment No information available. 16. Other information 1 17.2 Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 14. Transport hazard class(WGV) 6.1 Indication of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No 1272/2008 [CLP] · 02. Labelling accord	4.6	Special precau	tions for user			
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