according to Regulation (EC) No. 1907/2006

ARADUR® 1019 CH

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1.0	20.08.2018

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

: ARADUR® 1019 CH

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the	:	Hardener
Substance/Mixture		

Recommended restrictions : For industrial use only. on use

1.3 Details of the supplier of the safety data sheet

Company Address	 Huntsman Advanced Materials (Europe)BVBA Everslaan 45 3078 Everberg Belgium
Telephone Telefax	: +41 61 299 20 41 : +41 61 299 20 40
E-mail address of person responsible for the SDS	: Global_Product_EHS_AdMat@huntsman.com

1.4 Emergency telephone number

Emergency telephone number	:	Centres Antipoison et de Toxicovigilance: ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80 LILLE: 0 825 812 822 LYON: 04 72 11 69 11 MARSEILLE 04 91 75 25 25 NANCY: 03 83 32 36 36 PARIS: 01 40 05 48 48 RENNES: 02 99 59 22 22 STRASBOURG: 03 88 37 37 37 TOULOUSE: 05 61 77 74 47 EUROPE: $+32 35 75 1234$ France ORFILA: $+33(0)145425959$ ASIA: $+65 6336-6011$ China: $+86 20 39377888$ +86 532 83889090 India: $+ 91 22 42 87 5333$ Australia: 1800 786 152 New Zealand: 0800 767 437 USA: $+1/800/424.9300$

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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Classification (REGULATION (EC) No 1272/2008) Skin corrosion, Sub-category 1B H314: Causes severe skin burns and eye damage. Serious eye damage, Category 1 H318: Causes serious eye damage. Skin sensitisation, Category 1 H317: May cause an allergic skin reaction. 2.2 Label elements Labelling (REGULATION (EC) No 1272/2008) Hazard pictograms Signal word Danger 1 Hazard statements H314 Causes severe skin burns and eve damage. • May cause an allergic skin reaction. H317 Precautionary statements Prevention: P261 Avoid breathing mist or vapours. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. **Response:** P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh P304 + P340 + P310 air and keep comfortable for breathing. Immediately call a POISON

CENTER/doctor. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label: 3-[[3-(dimethylamino)propyl]amino]propiononitrile

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine

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2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

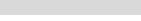
Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concent ration (% w/w)
3-[[3-	69852-45-5	Skin Irrit. 2; H315	>= 70 -
(Dimethylamino)propyl]amino]pr	274-159-1	Eye Dam. 1; H318	< 90
opiononitrile	01-2120271349-49		
N'-(3-aminopropyl)-N,N-	10563-29-8	Acute Tox. 4; H302	>= 20 -
dimethylpropane-1,3-diamine	234-148-4	Skin Corr. 1A; H314	< 29,85
	01-2119970376-29	Skin Sens. 1B; H317	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically. Get medical attention if symptoms occur.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.



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If symptoms persist, call a physician. Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet
5.2 Special hazards arising from	the	e substance or mixture
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Specific extinguishing methods	:	No data is available on the product itself.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures				
Personal precautions	: Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.			
6.2 Environmental precautions				
Environmental precautions	: Prevent product from entering drains.			

Prevent further leakage or spillage if safe to do so.

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If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	 Neutralise with acid. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
-------------------------	--

6.4 Reference to other sections

For disposal considerations see section 13., See Section 1 for emergency contact information., For personal protection see section 8.

SECTION 7: Handling and storage

7.1	Precautions for safe handling		
	Advice on safe handling :		Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
	Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
	Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
7.2	Conditions for safe storage, in	cl	uding any incompatibilities
	Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Keep in properly labelled containers.
	Advice on common storage	:	For incompatible materials please refer to Section 10 of this SDS.
	Recommended storage temperature	:	2 - 40 °C
	Further information on storage stability	:	Stable under normal conditions.



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7.3 Specific end use(s)

Specific use(s)

: No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
N'-(3-aminopropyl)- N,N-dimethylpropane- 1,3-diamine	Workers	Inhalation	Long-term systemic effects	3,7 mg/m3
	Workers	Inhalation	Acute systemic effects	7,5 mg/m3
	Workers	Inhalation	Long-term local effects	3,7 mg/m3
	Workers	Inhalation	Acute local effects	7,5 mg/m3
	Workers	Dermal	Long-term systemic effects	0,67 mg/kg
	Consumers	Inhalation	Long-term systemic effects	0,65 mg/m3
	Consumers	Inhalation	Long-term local effects	0,65 mg/m3
	Consumers	Oral	Long-term systemic effects	0,2 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name		Environmental Compartment	Value		
N'-(3-aminopropyl)-N,N- dimethylpropane-1,3-diamine		Fresh water	9,2 μg/l		
Remarks: Assessmer		nt Factors	t Factors		
Assessme		Marine water	0,92 μg/l		
		nt Factors			
		Freshwater - intermittent	92 μg/l		
Assessme		nt Factors			
		Sewage treatment plant	18,1 mg/l		
	Assessme	nt Factors			
		Fresh water sediment	0,0336 mg/kg		
	Equilibriun	n method			
Equilibriun		Marine sediment	0,00336 mg/kg		
		n method			

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	Soil		0,00132 mg/kg	
	Equilibrium method			

8.2 Exposure controls

Personal protective equipme	ent
Eye protection	 Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Hand protection	
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Skin and body protection	: Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines
Filter type	: Organic vapour type (A)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: No data is available on the product itself.
Odour	: amine-like
Odour Threshold	: No data is available on the product itself.
рН	: ca. 10 (20 °C) Concentration: 500 g/l
Freezing point	: No data is available on the product itself.
Melting point	: No data is available on the product itself.
Boiling point	: >200 °C
Flash point	: 105 °C Method: Pensky-Martens closed cup
Evaporation rate	: No data is available on the product itself.
Flammability (solid, gas)	: No data is available on the product itself.



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	Burning	g rate	:	No data is availa	ble on the product itself.
	Upper explosion limit / Upper flammability limit		:	No data is availa	ble on the product itself.
		explosion limit / Lower ability limit	:	No data is availa	ble on the product itself.
	Vapour	r pressure	:	0,02 hPa (20 °C)	
	Relativ	e vapour density	:	No data is availa	ble on the product itself.
	Relativ	e density	:	0,89 (20 °C)	
	Density	/	:	0,89 g/cm3 (20 °	C)
	Solubili Wate	ity(ies) er solubility	:	completely miscil	ble (20 °C)
	Solu	bility in other solvents	:	No data is availa	ble on the product itself.
	Partitio octanol	n coefficient: n- I/water	:	No data is availa	ble on the product itself.
	Auto-ig	nition temperature	:	No data is availa	ble on the product itself.
	Decom	position temperature	:	> 185 °C	
	Viscosi Visco	ty osity, dynamic	:	10 - 20 mPa.s (2	0 °C)
	Explosi	ive properties	:	No data is availa	ble on the product itself.
	Oxidizii	ng properties	:	No data is availa	ble on the product itself.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : None known.



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10.5 Incompatible materials

Materials to avoid

: Strong acids

Strong bases

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon oxides Burning produces noxious and toxic fumes. Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity - Product	:	Acute toxicity estimate : > 2 000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	No data available

Components:

3-[[3-(dimethylamino)propyl]am	nino]propiononitrile:
Acute dermal toxicity	: LD50 (Rabbit, male and female): 4 500 mg/kg
-	
	LD50 (Rat, male and female): > 4 600 mg/kg
	Method: OECD Test Guideline 402
	Remarks: No mortality observed at this dose.

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: Acute dermal toxicity : LD50 (Rat): Assessment: The substance or mixture has no acute dermal toxicity

Acute toxicity (other routes of : No data available administration)

Skin corrosion/irritation

Components:

3-[[3-(dimethylamino)propyl]amino]propiononitrile: Species: Rabbit Exposure time: 24 h Method: OECD Test Guideline 404 Result: Irritating to skin. GLP: no

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: Species: Rabbit Assessment: Corrosive



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Method: OECD Test Guideline 404 Result: Corrosive

Serious eye damage/eye irritation

Components:

3-[[3-(dimethylamino)propyl]amino]propiononitrile: Species: Rabbit Method: OECD Test Guideline 405 Result: Risk of serious damage to eyes. GLP: no

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: Assessment: Severe eye irritation Result: Corrosive

Respiratory or skin sensitisation

Components:

3-[[3-(dimethylamino)propyl]amino]propiononitrile: Test Type: Maurer optimisation test Exposure routes: Dermal Species: Rat Result: negative

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: Exposure routes: Skin Species: Guinea pig Method: OECD Test Guideline 406 Result: The product is a skin sensitiser, sub-category 1B.

Assessment:

No data available

Germ cell mutagenicity

Components:

 3-[[3-(dimethylamino)propyl]amino]propiononitrile:
 Genotoxicity in vitro
 : Test Type: reverse mutation assay Test system: Salmonella typhimurium Concentration: 25, 75, 225, 675 and 2025 μg/0 Metabolic activation: with and without metabolic activation Method: reverse mutation assay Result: negative
 N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 487 Result: negative

> : Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471

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		Result: negative	
			on: with and without metabolic activation est Guideline 476
C	Genotoxicity in vivo	: No data available	
C	Carcinogenicity		
r S F	Components: N'-(3-aminopropyl)-N,N-dimet Species: Mouse, male Application Route: Dermal Exposure time: 20 month(s) Frequency of Treatment: 3 da Result: negative		ne:
	Carcinogenicity - Assessment	: No data available	•
F	Reproductive toxicity		
3	<u>Components:</u> B-[[3-(dimethylamino)propyl]a Effects on fertility	: Test Type: Two-g Species: Rat, ma Application Route Dose: 0, 25,75 ar General Toxicity 150 mg/kg body v General Toxicity mg/kg body weig General Toxicity	le and female e: Oral nd 150 milligram per kilogram - Parent: No observed adverse effect level: weight F1: No observed adverse effect level: 150
1	v'-(3-aminopropyl)-N,N-dimet	Species: Rat, ma Application Route Method: OECD T	le and female
۔ ۲ E	Components: V'-(3-aminopropyl)-N,N-dimet Effects on foetal development	: Species: Rat, ma Application Route General Toxicity 15 mg/kg body w	le and female e: Oral Maternal: No observed adverse effect level: eight oxicity: No observed adverse effect level: 15

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mg/kg body weight Method: OECD Test Guideline 422 Result: No effects on fertility and early embryonic development were detected.

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: Reproductive toxicity - : No evidence of adverse effects on sexual function and fertility, Assessment or on development, based on animal experiments.

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: Species: Rat, male and female NOEC: 550 Application Route: Ingestion Test atmosphere: vapour Exposure time: 3 WeeksNumber of exposures: 7 d Method: Subchronic toxicity

Species: Mouse, male NOAEL: >= 56,3 Application Route: Skin contact Exposure time: 20 hNumber of exposures: 3 d Method: Chronic toxicity

Repeated dose toxicity - : No data available Assessment

No data available

Aspiration toxicity

No data available

Experience with human exposure

General Information: No data available

Inhalation:

Skin contact: No data available

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F		No data available	
⊨ye c	ontact:	No data available	
Inges	tion:	No data available	
Toxio	alagy Matabalian	- Distribution	
	ology, Metabolisn Ita available		
	ological effects ta available		
Furth	er information		
Inges	tion:	No data available	

SECTION 12: Ecological information

12.1 Toxicity

Components:	
3-[[3-(dimethylamino)propyl]amino	p]propiononitrile:
Toxicity to fish :	NOEC (Oncorhynchus mykiss (rainbow trout)): >= 62 mg/l End point: mortality Exposure time: 96 h Test Type: semi-static test Analytical monitoring: yes Test substance: Fresh water Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other : aquatic invertebrates	NOEC (Daphnia magna (Water flea)): 100 mg/l End point: Immobilization Exposure time: 48 h Test Type: static test Analytical monitoring: yes Test substance: Fresh water Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae :	EyC50 (Pseudokirchneriella subcapitata (algae)): 30 mg/l Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes
	ErC50 (Pseudokirchneriella subcapitata (algae)): 62 mg/l Exposure time: 72 h



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		4 	Test Type: static Analytical monito Method: OECD T GLP: yes	
		-	mg/l Exposure time: 72 Test Type: static Analytical monitor	test
Toxici	ty to microorganisms	-	Exposure time: 3 Test Type: Respi	
		-	EC50 (activated s Exposure time: 3 Test Type: Respir Method: OECD T	h
N'-(3-	aminopropyl)-N,N-dimet	hylpr	opane-1,3-diamin	ie:
Toxici	ty to fish	-	Exposure time: 96 Test Type: static Test substance: F	test
	ty to daphnia and other ic invertebrates	-	Exposure time: 48 Test Type: static Test substance: F	test
Toxici	ty to algae	-	Exposure time: 72 Test Type: static Test substance: F	test
Toxici	ty to microorganisms	-	EC50 (Pseudomo Exposure time: 16 Test Type: static Test substance: F Method: DIN 38 4	test Fresh water

12.2 Persistence and degradability

Components:

3-[[3-(dimethylamino)propyl]an	nino	o]propiononitrile:
Biodegradability	:	Test Type: aerobic
		Inoculum: Domestic sewage

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		Concentration:	100 ma/l

	Result: Not readily biodegradable. Biodegradation: Measured 7 % Related to: Biochemical oxygen demand Exposure time: 28 d Method: OECD Test Guideline 301F
Stability in water :	Degradation half life (DT50): > 1 yr (25 °C) pH: 4
	Degradation half life (DT50): ca. 1 yr (25 °C) pH: 7
	Degradation half life: ca. 1 yr (25 °C) pH: 9
N'-(3-aminopropyl)-N,N-dimethyl	propane-1,3-diamine:
Diadaaradability	Deputy Deputy biodegradable

Biodegradability	: Result: Readily biodegradable. Biodegradation: 100 %
	Exposure time: 28 d Method: ISO Method, other

12.3 Bioaccumulative potential

Components:

3-[[3-(dimethylamino)propyl]amino]propiononitrile:Partition coefficient: n-:log Pow: -0,47 (24 °C)octanol/waterMethod: OECD Test Guideline 107

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine: Partition coefficient: n- : log Pow: 0,5 octanol/water

> log Pow: -0,56 (25 °C) pH: 11,6 Method: OECD Test Guideline 107

12.4 Mobility in soil

Components:

3-[[3-(dimethylamino)propyl]amino]propiononitrile: Distribution among : log Koc: > 5 environmental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment	: This substance/mixture contains no components considered
	to be either persistent, bioaccumulative and toxic (PBT), or
	very persistent and very bioaccumulative (vPvB) at levels of
	0.1% or higher.

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12.6 Other adverse effects

Product:

Additional ecological : An environmental haza information : unprofessional handlin Toxic to aguatic life.	ard cannot be excluded in the event of g or disposal.
---	---

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local and national regulations. Dispose of contents/ container to an approved waste disposal plant.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

IATA 14.1 UN number 14.2 UN proper shipping name	 : UN 2735 : Amines, liquid, corrosive, n.o.s. (DIMETHYL DIPROPYL TRIAMINE)
14.3 Transport hazard class(es)	: 8
14.4 Packing group	: 11
Labels	: Corrosive
Packing instruction (cargo aircraft)	: 855
Packing instruction (passenger aircraft)	: 851
IMDG	
14.1 UN number	: UN 2735
14.2 UN proper shipping name	: AMINES, LIQUID, CORROSIVE, N.O.S.
14.3 Transport hazard class(es)	(DIMETHYL DIPROPYL TRIAMINE) : 8
14.4 Packing group Labels EmS Code	: II : 8 : F-A, S-B



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	-	nvironmental hazards pollutant		no	
	14.2 UI name 14.3 Tr class(e	N number N proper shipping ransport hazard es) acking group	:		, CORROSIVE, N.O.S. ROPYL TRIAMINE)
	14.5 Er	nvironmental hazards nmentally hazardous		no	
		N number N proper shipping	-		, CORROSIVE, N.O.S. ROPYL TRIAMINE)
	class(e 14.4 Pa	ransport hazard es) acking group	:	8	
	-	nvironmental hazards	-	8 no	

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	 This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
REACH - List of substances subject to authorisation - Future sunset date	: Not applicable
Occupational Illnesses (R- : Not applicable 461-3, France)	
Other regulations:	

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:



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F



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DSL		: This product cont Canadian NDSL.	tains one or several components listed in the
AICS		: Not in compliance	e with the inventory
NZIoC		: Not in compliance	e with the inventory
ENCS		: Not in compliance	e with the inventory
KECI		: Not in compliance	e with the inventory
PICCS	;	: Not in compliance	e with the inventory
IECSC	;	: Not in compliance	e with the inventory
TCSI		: Not in compliance	e with the inventory

TSCA : On the inventory, or in compliance with the inventory
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Inventories

AICS (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States of America (USA))

15.2 Chemical safety assessment

Chemical Safety Assessments for all substances in this product are either Complete or Not applicable.

SECTION 16: Other information

Full text of H-Statements

Full text of other abbreviations		
H318 :	Causes serious eye damage.	
	May cause an allergic skin reaction.	
H315 :	Causes skin irritation.	
H314 :	Causes severe skin burns and eye damage.	
H302 :	Harmful if swallowed.	

ull text of other appreviations

Acute Tox. Eye Dam. Skin Corr. Skin Irrit.	 Acute toxicity Serious eye damage Skin corrosion Skin irritation
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation

Further information

according to Regulation (EC) No. 1907/2006

ARADUR® 1019 CH

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Classification of the	mixture:	Classification procedure:
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method

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Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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