






Country: RSA, NAM, BOT, ZAM, MOZ
 Language: English
 Version: 1

SDS Number: 000020
 Issue Date: 2021-05-01
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier				
Product form	Mixtures			
Trade name	Efekto Cypermethrin 200 EC			
Product code	50ml 34821 (6001379104713); 1L 31360 (6001379104720)			
Registration Number	L4069 / N-AR0945 / W130191 / DSV - 2191			
SDS Number	000009			
1.1. Relevant identified uses of the substance or mixture and uses advised against				
1.1.1. Relevant identified uses				
Main use category	Insecticide – Plant Protection Product.			
Industrial/Professional use spec	Home and Garden.			
Use of the substance/mixture	Insecticide.			
1.1.2. Uses advised against				
See product label for restrictions.				
1.3. Details of the supplier of the safety data sheet				
Telephone	+27 11 (011) 287 5700			
Email	info@efekto.co.za			
Website	www.efekto.co.za			
1.4. Emergency telephone number				
Country	Organisation/Company	Address	Emergency number	Comment
South Africa	Griffon Poisons Centre		082 446 8946	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture					
Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures					
	Flammable liquids: Category 3: H226 Flammable liquid and vapour.				
	Acute toxicity (inhalation:dust,mist): Category 4: H332				
	Skin corrosion/irritation: Category 2: H315				
	Serious eye damage/eye irritation: Category 1: H318				
	Specific target organ toxicity - single exposure: Category 3: H335 May cause respiratory irritation.				
	Specific target organ toxicity - single exposure: Category 3: H336 May cause drowsiness or dizziness.				
	Aspiration hazard: Category 1: H304				
	Acute aquatic toxicity: Category 1: H400 Very toxic to aquatic life.				
	Chronic aquatic toxicity: Category 1: H410 Very toxic to aquatic life with long lasting effects.				
2.2. Label elements					
Labelling according to Regulation (EC) No. 1272/2008 [CLP]					
Hazard pictograms:					
	GHS02	GHS05	GHS07	GHS08	GHS09
Hazardous components which must be listed on the label:	<ul style="list-style-type: none"> cypermethrin cis/trans +/- 40/60 Solvent Naphtha (petroleum), light aromatic 				
CLP Signal word:	Danger.				
Hazard statements:	H226 - Flammable liquid and vapour.				
	H304 - May be fatal if swallowed and enters airways.				
	H315 - Causes skin irritation.				
	H318 - Causes serious eye damage.				
	H332 - Toxic if inhaled.				
	H335 - May cause respiratory irritation.				
	H336 - May cause drowsiness or dizziness.				
	H400 - Very toxic to aquatic life.				
	H410 - Very toxic to aquatic life with long lasting effects.				
	EUH066 - Repeated exposure may cause skin dryness or cracking.				

Cypermethrin 200 EC

Safety Data Sheet

According to 1907/2006/EC; 453/2010/EU; 2015/830/EU (REACH)

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	EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.
Precautionary statements:	P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking. P261 - Avoid breathing vapours. P280 - Wear eye protection, protective clothing, protective gloves.
Response Precautionary Statements:	P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305 + P 351 + P338 IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 - Do NOT induce vomiting.
2.3. Other hazards	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

SECTION 3: Composition/information on ingredients

3.1. Substances

Emulsifiable concentrate (EC)
Biocidal product

3.2. Mixtures

Chemical Name	CAS-No.	EC – Number	Conc. % by weight	Classification
cypermethrin cis/trans +/- 40/60 3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylic acid, cyano(3-phenoxyphenyl)methyl ester	52315-07-8	257-842-9	52.2 %	Acute Tox. 4 (Oral), (H302) Acute Tox. 4 (Inhalation, dust, mist), (H332) STOT SE3, (H335) Aquatic Acute 1, (H400) Aquatic Chronic 1, (H410)
butan-1-ol, n-butanol5-[2-(2-butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole	71-36-3	200-751-6	1.0 – 5.0 %	Flam. Liq. 3, (H226) Acute Tox. 4 (Oral), (H302) STOT SE 3, (H335) Skin Irrit. 2, (H315) Eye Dam. 1, (H318) STOT SE 3, (H336)
Benzenesulfonic acid, dodecyl-, calcium salt	26264-06-2	247-557-8	1.0 -5.0	Skin Irrit. 2, (H315) Eye Dam. 1, (H318) Skin Sens. Not classified Aquatic Chronic 3, (H412)
Hydrocarbons, C9, aromatics 1,3,5-trimethylbenzene; 1-ethyl-4-methylbenzene; prop-1-en-2-ylbenzene; propan-2-ylbenzene; propylbenzene	64742-95-6	918-668-5	35.0 -65.0 %	Flam. Liq. 3, (H226) STOT SE 3, (H336) STOT SE 3, (H335) Asp. Tox. 1, (H304) Aquatic Chronic 2, (H411)
Other ingredients (non-hazardous) to 100%			Balance	

Further information

Deltamethrin 52918-63-5 M-Factor: 1,000 (acute); 1,000 (chronic)

For the full text of the Hazard statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Advice	Remove contaminated clothing immediately and dispose of safely.
First-aid measures after inhalation	Move the victim to fresh air and keep at rest. Call a physician or poison control centre immediately.
First-aid measures after skin contact	Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.
First-aid measures after eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm

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	water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed anaesthetic eye drops. Get medical attention if irritation develops and persists.
First-aid measures after ingestion	Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.
4.2. Most important symptoms and effects, both acute and delayed	
	Local: Skin and eye paraesthesia which may be severe, Usually transient with resolution within 24 hours, Skin, eye and mucous membrane irritation, Cough, Sneezing.
	Systemic: Discomfort in the chest, Tachycardia, Hypotension, Nausea, Abdominal pain, Diarrhoea, Vomiting, Dizziness, Blurred vision, Headache, Anorexia, Somnolence, Coma, Convulsions, Tremors, Prostration, Airway hyperreaction, Pulmonary oedema, Palpitation, Muscular fasciculation, Apathy.
4.3. Indication of any immediate medical attention and special treatment needed	
	Risks This product contains a pyrethroid. Pyrethroid poisoning should not be confused with carbamate or organophosphate poisoning.
	Local treatment: Initial treatment: symptomatic.
	Systemic treatment: Initial treatment: symptomatic. Monitor: respiratory and cardiac functions. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Keep respiratory tract clear. Oxygen or artificial respiration if needed. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. If not effective, phenobarbital may be used.
	Contraindication: atropine. Contraindication: derivatives of adrenaline. There is no specific antidote. Recovery is spontaneous and without sequelae.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	Water jet.
5.2. Special hazards arising from the substance or mixture	
	Flammable liquid and vapour. Toxic fumes may be released.
5.3. Advice for firefighters	
	Special protective equipment for fire-fighters
	In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
5.3. Further information	
	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: Accidental release measures	
6.1. Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	
Emergency procedures	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Ventilate spillage area. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
	Do not allow to enter soil, waterways or wastewater canal.
6.3. Methods and material for containment and cleaning up	
For containment	Collect spillage.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Other information	Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.


SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the

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	container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
Hygiene measures	Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.
7.2. Conditions for safe storage, including any incompatibilities	
Technical measures	Ground/bond container and receiving equipment.
Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Store in original container. Keep away from direct sunlight. Protect from freezing.
Storage temperature	>0°C <40°C
7.3. Specific end use(s)	
	Refer to the label and/or leaflet.

SECTION 8: Exposure controls/personal protection

Control parameters				
Components	CAS-No.	Exposure limit(s)	Type of exposure limit	Source
Deltamethrin	52315-07-8	5 mg/m3	TWA	Britain EH40
butan-1-ol, n-butanol	71-36-3	154 ppm	TWA	WEL STEL
Hydrocarbons, C9, aromatics918	64742-95-6	116 mg/m3	TWA	EU SCOELS
RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.				
Appropriate engineering controls:	In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.			
Hand protection:	Chemical resistant nitrile rubber gloves.			
Eye protection:	Tightly fitting safety goggles.			
Skin and body protection:	Wear long-sleeved shirt and long pants and shoes plus socks.			
Respiratory protection:	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.			
				
General protective measures:	Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.			
Environmental exposure controls:	Avoid release to the environment.			

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
Physical state	Liquid
Colour	Light Yellow
Odour	Aromatic
Odour threshold	No data available
Melting point / Freezing point	No data available
Boiling point or initial boiling point and boiling range	> 100°C
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	115 °C Closed cup
Auto ignition temperature	388 °C
Decomposition temperature	No data available
pH	5 at 1% (23 °C)
Kinematic viscosity	1.7 mm ² /s (40°C)
Solubility	(1% in water): Emulsion
Partition coefficient octanol / water (log value)	log Pow: 6.6 at 25 °C
Vapour pressure	No data available
Density Solubility	1.042 g/ml (20°C)
Relative density	No data available

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Particle characteristics	No data available
9.2. Other information	No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	Stable under normal conditions.
10.2. Chemical stability	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
10.4. Conditions to avoid	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	Store only in the original container.

SECTION 11: Toxicological information

11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Formulated product	
LD50 oral rat	LD50 (rat) > 500 mg/kg
LD50 dermal rat	LD50 (rat) > 2,000 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) > 3.28mg/l
ATE CLP (vapours)	3.200 mg/l/4h
ATE CLP (dust, mist)	3.200 mg/l/4h
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Assessment mutagenicity	Not classified
Assessment carcinogenicity	Not classified
Assessment toxicity to reproduction	Not classified
Assessment developmental toxicity	Not classified
Further information	Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours). Irritating to respiratory system.

SECTION 12: Ecological information

12.1. Toxicity	
Ecology - general:	Very toxic to aquatic life with long lasting effects.
Cypermethrin	
LC50 fish 1	Rainbow trout (<i>Salmo gairdneri</i>) 0.0028 µg/l; Exposure time: 96 h
EC50 Daphnia 1	Water flea (<i>Daphnia magna</i>) 0.000004 µg/l; Exposure time: 48 h
ErC50 (algae)	Scenedesmus quadricauda (Green algae) > 0.1 mg/l; Exposure time: 96 h
Bees LD50 (oral)	0.035 ng/bee
Bees LC50 (contact)	0.02 ng/bee
Earthworm LC50 (14 days)	> 1000 mg/kg soil
Birds Oral LD50	Mallard ducks: > 10 000 mg/kg
Hydrocarbons, C9, aromatics	
LC50 fish 1	Rainbow trout (<i>Salmo gairdneri</i>) 9.2 mg/l; Exposure time: 96h
EC50 Daphnia 1	Water flea (<i>Daphnia magna</i>) 3.2 mg/l; Exposure time: 48 h
ErC50 (algae)	Pseudokirchneriella subcapitata (Green algae) 2.9 mg/l; Exposure time: 72 h
Bees LD50 (oral)	215.8 micrograms
Bees LC50 (contact)	200 micrograms
Earthworm LC50 (14 days)	320 mg/kg
Birds Oral LD50	Colinus virginianus (Bobwhite quail), 2,000 mg/kg
butan-1-ol, n-butanol (71-36-3)	
LC50 fish 1	Fathead minnow (<i>Pimephales promelas</i>) 1376 mg/l; Exposure time: 96h

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EC50 Daphnia 1	Water flea (Daphnia magna) 1328 mg/l; Exposure time: 48 h
ErC50 (algae)	Pseudokirchneriella subcapitata (Green algae) >500 mg/l; Exposure time: 72 h
12.2. Persistence and degradability	
Deltamethrin	
Persistence and degradability	Not rapidly biodegradable.
Koc	No data available.
Hydrocarbons, C9, aromatics	
Persistence and degradability	Readily biodegradable.
Koc	No data available.
Biodegradation	78 % (28d OECD 301F)
butan-1-ol, n-butanol (71-36-3)	
Persistence and degradability	No data is available on the degradability of this substance.
Koc	No data available.
Biodegradation	No data available.
Benzenesulfonic acid, dodecyl-, calcium salt	
Persistence and degradability	Readily biodegradable.
Koc	No data available
Biodegradation	78 % (28d OECD 301F)
12.3. Bioaccumulative potential	
Cypermethrin	
Log Pow	log Pow: 5,3 - 5,6 (25°C)
Bioaccumulative potential	Does not bioaccumulate.
Hydrocarbons, C9, aromatics	
Log Pow	log Pow: 4.75
Bioaccumulative potential	Does not bioaccumulate.
butan-1-ol, n-butanol (71-36-3)	
Log Pow	log Pow: 0.88
Bioaccumulative potential	Does not bioaccumulate.
12.4. Mobility in soil	
Cypermethrin	
Ecology - soil	Immobile in soil.
Hydrocarbons, C9, aromatics	
Ecology - soil	No relevant data found.
butan-1-ol, n-butanol (71-36-3)	
Ecology - soil	Will likely be mobile in the environment due to its water solubility.
Benzenesulfonic acid, dodecyl-, calcium salt	
Ecology - soil	
12.5. Results of PBT and vPvB assessment	
	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	Follow container label instructions for disposal of wastes generated during use in compliance with the product label. Never place unused product down any indoor or outdoor drain.
Contaminated packaging	Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / AND / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1993	1993	1993	1993	1993
				
14.2. UN proper shipping name				






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FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transport document description				
UN 1993 FLAMMABLE LIQUID, N.O.S. (Solvent, surfactant), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Solvent, surfactant), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Solvent, surfactant), 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Solvent, surfactant), 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S. (Solvent, surfactant), 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

SECTION 15: Regulatory information

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

Registration No.	L4069 / N-AR0945 / W130191 / DSV - 2191
Signal word:	Harmful!
This chemical is a registered pesticide product and is subject to certain labelling requirements under law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label.	
Hazard statements:	Allow the following number of days between last application and harvesting or feeding/grazing (F): Macadamias, Rooibos tea 30; Citrus, Grapes, Sorghum, Cotton (F) 28; Apples, Pears, Table Peaches, Plums, Maize, Sweetcorn, Lucerne (F), Wheat 14; Beans, Soybeans, Peas, Groundnuts, (F hay) 7; Tomatoes, Cruciferae 4; Canning Peaches 3 Poisonous when swallowed and moderately toxic by skin contact. Toxic to fish and bees and moderately toxic to wildlife. FLAMMABLE - Do not store or spray near open flames. Keep out of reach of children, uninformed persons and animals. Store in a cool place away from food and feedstuff. Re-entry interval: Do not enter treated field within 1 day after application unless wearing protective clothing. Allow the following number of days between last application and harvesting or feeding/grazing (F): Macadamias, Rooibos tea 30; Citrus, Grapes, Sorghum, Cotton (F) 28; Apples, Pears, Table Peaches, Plums, Maize, Sweetcorn, Lucerne (F), Wheat 14; Beans, Soybeans, Peas, Groundnuts, (F hay) 7; Tomatoes, Cruciferae 4; Canning Peaches 3 Poisonous when swallowed and moderately toxic by skin contact. Toxic to fish and bees and moderately toxic to wildlife.
WHO-classification:	II (Moderately hazardous)
IRAC Insecticide Group Code:	3A
15.2. Chemical safety assessment	
	Young people under the age of 18 are not allowed to work with the substance.

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
Full text of H- and EUH-statements:			
H226	Flammable liquid and vapour.		
H301	Toxic if swallowed.		
H302	Harmful if swallowed.		
H313	May be harmful in contact with skin.		

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H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	H332 Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH401 -	To avoid risks to human health and the environment, comply with the instructions for use.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 3	H226	On basis of test data.
Asp. Tox. 1	H304	Calculation method.
Skin Irrit. 2	H315	Annex VII conversion.
Eye Dam. 1	H318	Expert judgment.
Acute Tox. 4 (Inhalation:dust,mist)	H332	On basis of test data.
STOT SE 3	H335	Calculation method.
STOT SE 3	H336	Calculation method.
Aquatic Acute 1	H400	On basis of test data.
Aquatic Chronic 1	H410	Calculation method.

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1	Flammability - 2	Physical Hazard - 0	PPE -
0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard			

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute toxicity estimate.
CAS-Nr.	CAS-Nr. Chemical Abstracts Service number.
CEILING	Ceiling Limit Value.
Conc.	Concentration.
EC-No.	European community number.
ECx	Effective concentration to x %.
IATA	International Air Transport Association.
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code).
ICx	Inhibition concentration to x %.
IMDG	International Maritime Dangerous Goods.
LCx	Lethal concentration to x %.
LDx	Lethal dose to x %.
LOEC/LOEL	Lowest observed effect concentration/level.
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships.
N.O.S.	Not otherwise specified.
NOEC/NOEL	No observed effect concentration/level.
OECD	Organization for Economic Co-operation and Development.
OES	Occupational Exposure Standard.
PEAK	PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
SK-SEN	Skin sensitiser.
SKIN_DES	SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.
STEL	STEL: Exposure standard - short term exposure limit (STEL): A 15-minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
TWA	TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.
UN	United Nations.
WHO	World health organisation.

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Prepared BY: Nico Lionel van der Westhuis – Technical Support Marketing

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