

SECTION 1: Identific	ation of the substance/mixture and of the	e company/undertaking	
.1. Product identifie	er		
roduct form	: Mixture		
lame	: SHARK		
Product code	: 6246		
.2. Relevant identifi	ed uses of the substance or mixture and uses adv	ised against	
.2.1. Relevant identifi	ed uses		
lse of the substance/mixtu	re : Herbicide		
.2.2. Uses advised ag	ainst		
lo additional information av			
	pplier of the safety data sheet		
MC CHEMICAL Sprl	pplier of the salety data sheet		
Boulevard de la Plaine, 9/3			
050 BRUXELLES - BELGI			
00 32 2 6459584 - F 00 3 nsdsinfo@fmc.com	2 2 6459655		
.4. Emergency telep	hone number		
mergency number	: 00 32 14 58 45 45 (all countri	ies)	
Country	Organisation/Company	Address	Emergency number
BELGIUM	Centre Anti-Poisons/Antigifcentrum	Rue Bruyn	+32 70 245 245
DEEGIGIM	c/o Hôpital Central de la Base - Reine Astrid	B -1120 Brussels	132 10 243 243
BULGARIA	National Toxicological Information Centre National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409
ČESKÁ REPUBLIKA	Toxikologické informační středisko	Na Bojisti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402
DANMARK	Giftlinjen Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV	+45 82 12 12 12
FRANCE	ORFILA	http://www.centres-antipoison.net	+33 (0)1 45 42 59 59
GERMANY	Berliner Betrieb für Zentrale Gesundheitliche Aufgaben	Oranienburger Strasse 285 13437 Berlin	+49 30 19240
HUNGARY	Institut für Toxikologie, Klinische Toxikologie und Giftnotruf Berlin Országos Kémiai Biztonsági Intézet (National	1437 Budapest PO Box 839	+36 80 20 11 99
HUNGART	Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1097 Budapest, Nagyvárad tér 2	100 00 20 11 00
ITALY	Centro Antiveleni Ospedale Niguarda Ca' Granda	Piazza Ospedale Maggiore 3 20162 Milano	+39 02 6610 1029
LITHUANIA	Poisons Control and Information Bureau	Siltnamiu 29 2043 Vilnius	+370 523 62052 +370 687 53378
NEDERLAND	Nationaal Vergiftigingen Informatie Centrum (Uitsluitend bestemd omartsen te informeren bij accidentele vergiftigingen)	Heidelberglaan 100 3584 CX Utrecht	+31 30 274 88 88
NORWAY	Giftinformasjonen Directorate of Health and Social Affairs	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300
POLAND	Warsaw Poison Control and Information Centre Praski Hospital	Al. Solidarnosci 67 P-03 401 Warszawa	+48 22 619 66 54 +48 22 619 08 97
PORTUGAL	Centro de Informação Antivenenos – Dra Arlinda Borges Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	808 250 143 (for use only ir Portugal), +351 21 330 3284
ROMANIA	Institutul Nacional de Sanatate Publica	Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 Bucuresti, directie.generala {at} insp.gov.ro 050463 Bucuresti	+40 21318 3606
SLOVAKIA	National Toxicological Information Centre University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SLOVENIA	Poison Centre Division of Internal Medicine	University Clinical Centre Zaloska 7 1525 Ljubljana	+ 386 41 650 500
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	+34 91 562 04 20

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Country	Organisation/Company	Address	Emergency number
SUOMI	Myrkytystietokeskus	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	08-331231 (Måndag-Fredag; 9.00-17.00) 112 (0.00-24.00)
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0870 600 6266 (UK only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1H317Aquatic Acute 1H400Aquatic Chronic 1H410

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

R43

N; R50/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (E	C) No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS07 GHS09
Signal word (CLP)	: Warning
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	 P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P333+P313 - If skin irritation or rash occurs: Get medical advice/attention 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
EUH phrases	: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
2.2 Other hazarda	

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture				
Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carfentrazone-ethyl	(CAS No) 128639-02-1 (EC index no) 607-309-00-5	< 10	N; R50/53	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Polyether modified trisiloxane	(CAS No) 134180-76-0	< 5	Xn; R20/21 Xi; R36 N; R51/53	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Solvent naphtha (petroleum), light arom.	(CAS No) 64742-95-6 (EC no) 265-199-0 (REACH-no) 01-2119455851- 35	< 5	R10 Xn; R65 R66 R67 Xi; R37 N; R51/53	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Calcium dodecylbenzenesulphonate	(CAS No) 26264-06-2 (EC no) 247-557-8	< 5	Xi; R38 Xi; R41	Skin Irrit. 2, H315 Eye Dam. 1, H318
butan-1-ol	(CAS No) 71-36-3 (EC no) 200-751-6 (EC index no) 603-004-00-6 (REACH-no) 01-2119484630- 38	< 5	R10 Xn; R22 Xi; R41 Xi; R37/38 R67	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

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation	: Move the affected person to the fresh air If you feel unwell, seek medical advice.	
First-aid measures after skin contact	: Remove all contaminated clothing and footwear Wash with soapy water If case of redness or irritation, call a doctor.	
First-aid measures after eye contact	 Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum) If irritation persists, consult an eye specialist. 	
First-aid measures after ingestion	: Rinse mouth out with water Never attempt to induce vomiting Take medical advice immediately.	
4.2. Most important symptoms and effe	cts, both acute and delayed	
Symptoms/injuries after skin contact	: Irritation Exposure may produce an allergic reaction.	
4.3. Indication of any immediate medica	Indication of any immediate medical attention and special treatment needed	
Treat symptomatically and supportively in respo	onse to reactions of patient.	

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SECT	ION 5: Firefighting measures			
5.1.	Extinguishing media			
Suitable	e extinguishing media	: Powder Foam Carbon dioxide (CO2).		
Unsuita	ble extinguishing media	: Water (the product is dangerous for the environment - do not dilute it).		
5.2.	Special hazards arising from the substance or mixture			
Fire haz	zard	: During combustion : Toxic vapours may be released.		
5.3.	Advice for firefighters			
Firefigh	ting instructions	: Isolate fire area. Evacuate downwind Do not breathe fumes Contain the extinguishing fluids by bunding (the product is hazardous for the environment).		
Protection during firefighting		: Do not attempt to take action without suitable protective equipment Self-contained breathing apparatus Complete protective clothing.		
SECT	ION 6: Accidental release me	asures		
6.1.	Personal precautions, protective	equipment and emergency procedures		
6.1.1.	For non-emergency personnel			
-				

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according to Regulation (EC) No. 453/2010	
6.2. Environmental precautions	
Do not allow product to spread into the enviror	Iment
Contain the spilled material by bunding (produ-	
6.3. Methods and material for contain	nent and cleaning up
For containment	 Absorb spillage with: inert absorbent material Sand/earth Neutralize non-recoverable product with : a solution of caustic or soda ash, and an appropriate alcohol (methanol, ethanol or isopropanol).
Methods for cleaning up	: Wash with plenty of water and detergent Dispose of contaminated material at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid contact with skin and eyes.
Hygiene measures	: Always wash hands after handling the product Always take a shower after work Separate working clothes from town clothes. Launder separately.
7.2. Conditions for safe storage, include	ding any incompatibilities
Storage conditions	 Store in dry, cool, well-ventilated area Keep away from ignition sources Keep out of the reach of children Keep away from food, drink and animal feeding stuffs.
Incompatible materials	: Strong oxidizing agents.
Packaging materials	: Original packaging.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/per	sonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Nitrile-rubber protective gloves Neoprene protective gloves.
Eye protection	: Safety glasses with side shields.
Skin and body protection	: Handling product in large quantities: Impermeable suit (Hypalon, Tyvek, Saranex, PVC).
Respiratory protection	: In the event of insufficient ventilation: Filtering respiratory protective device with a pesticide canister.
SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and	
Physical state	: Liquid
Colour	: yellow orange Translucent.
Odour	: Paste.
Odour threshold	: Not applicable
pH	: 4,86
•	· 4,00 : 1%
pH solution	
Relative evaporation rate (butyl acetate=1)	: Not applicable
Melting point	: Not applicable
Deiline seint	. Natawaliaahia
Boiling point Flash point	: Not applicable : 111 °C

Flammability (solid, gas)

: Not applicable

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Relative vapour density at 20 °C	: Not applicable
Relative density	: 0,9308 (20°C)
Solubility	: Water: Dispersion
Log Pow	: Not applicable
Viscosity, kinematic	: 20,42 mm²/s (40°C)
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing material.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
To our knowledge, the product does not present any particular risk, under normal conditions of use.
10.2. Chemical stability
Stable at ambient temperature and under normal conditions of use.
10.3. Possibility of hazardous reactions
None under normal conditions.
10.4. Conditions to avoid
None to our knowledge.
10.5. Incompatible materials
Strong oxidizing agents.
10.6. Hazardous decomposition products
On combustion or on thermal decomposition (pyrolysis) releases :

On combustion or on thermal decomposition Carbon oxydes (CO, CO2) Hydrogen fluoride Ketones Aldehyde Hydrochloric acid Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Not classified (Based on available data, the classification criteria are not met)

SHARK	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	> 5,11 mg/l/4h
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity Specific target organ toxicity (single exposure)	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)

Carfentrazone-ethyl (128639-02-1)	
NOAEL, rat	50 ppm (3 mg/kg bw/day 2 years)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological in	formation
12.1. Toxicity	
Ecology - general	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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SHARK	
ErC50 (algae)	0,537 mg/l
NOEC chronic algae	0,1 mg/l

12.2. Persistence and degradability		
Carfentrazone-ethyl (128639-02-1)		
Persistence and degradability	Half-life (in water) : 8.3 days (pH = 5) Half-life (in soil) : < 1.5 days.	
12.3. Bioaccumulative potential		
Carfentrazone-ethyl (128639-02-1)		
BCF	159	
Log Pow	3,36 (20°C)	
12.4. Mobility in soil		
Carfentrazone-ethyl (128639-02-1)		
Ecology - soil	Very mobile.	
12.5. Results of PBT and vPvB assessme	nt	
Component		
Carfentrazone-ethyl (128639-02-1)	Moderately persistent	
12.6. Other adverse effects		
No additional information available		
SECTION 13: Disposal consideration	IS	
13.1. Waste treatment methods		
Waste treatment methods	: Discharging into rivers and drains is forbidden Dispose of in accordance with relevant local regulations Incinerate at a licensed installation Do not re-use empty containers.	
Additional information	: The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.	
SECTION 14: Transport information		
In accordance with ADR / RID / IMDG / IATA / AI	2N	
14.1. UN number		
UN-No. (ADR/RID)	: 3082	
UN-No.(IATA)	: 3082	
UN-No. (IMDG)	: 3082	
14.2. UN proper shipping name		
Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	
Transport document description	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Carfentrazone- ethyl(128639-02-1), Polyether modified trisiloxane (134180-76-0)), 9, III, (E)	
14.3. Transport hazard class(es)		
Class (ADR/RID)	: 9	
Class (IATA)	: 9	
Class (IMDG)	: 9	
Hazard labels (UN)	: 9	
14.4. Packing group		
Packing group (ADR/RID) Packing group (IMDG)	: III : III	

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14.5. Environmental hazards	
Dangerous for the environment	
Other information	: Dangerous for the environment.
14.6. Special precautions for user	
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 90
Classification code (UN)	: M6
Orange plates	90 3082
Special provision (ADR)	: 274 335 601
Transport category (ADR)	: 3
Tunnel restriction code	: E
Limited quantities (ADR)	: 5L
Excepted quantities (ADR)	: E1
EAC code	: •3Z
14.6.2. Transport by sea	
MFAG-No	: 171

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment acc. to art. 14 of Regulation (EC) No 1907/2006 is not required, because art. 15 of the same regulation applies

SECTION 16: Other information

Indication of changes:

This sheet was updated (refer to the date at the top of this page) SDS changed section(s) : 2-7-9-10-14.

Other information

: Shark and FMC are registered trademarks of FMC Corporation.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

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Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful 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
H411	Toxic to aquatic life with long lasting effects
R10	Flammable
R20/21	Harmful by inhalation and in contact with skin
R22	Harmful if swallowed
R36	Irritating to eyes
R37	Irritating to respiratory system
R37/38	Irritating to respiratory system and skin
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
Ν	Dangerous for the environment
Xi	Irritant
Xn	Harmful

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product