

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

1.1. Product identifier

Product form : Mixture
 Trade name : SYLLIT 544 SC
 Danish product registration number : 361-29
 Product code : CA701650
 Synonyms : Dodine 544 g/L SC

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

1.2.1. Relevant identified uses

Main use category : Professional use
 Industrial/Professional use spec : Pesticide
 Agriculture.
 Use of the substance/mixture : Fungicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Arysta LifeScience Benelux
 Rue de Renory 26/1
 B-4102 Ougrée - Belgium
 T +32 (0)4 385 97 11 - F +32 (0)4 385 97 49
sdsin@arysta.com - <http://www.arystalifescience.com>

1.4. Emergency telephone number

Emergency number : Europe/Rest of the world (English): +44(0)1235 239670
 112 (European Emergency Number)
 USA: +1 215 207 0061 or 001866 928 0789
 Australia: +61 2801 44558
 People's Republic of China: + 86 10 5100 3039
 New Zealand: +64 9929 1483

Country	Organisation/Company	Address	Emergency number	Comment
Argentina	Unidad de Toxicología Hospital Gutierrez	Gallo 1330 C1425EFD CABA - Buenos Aires	+54 11 4962 6666 +54 11 4962 2247	
Argentina	Centro Nacional de Intoxicaciones	Av. Marconi y Pte. Illia 1684 El Palomar - Buenos Aires	+54 11 4658-7777 +54 11 4654 6648	
Argentina	PREVENTOX, Centro de Información y Asesoramiento en Toxicología Laboral	Bartolomé Mitre 755 C1036AAM CABA - Buenos Aires	+54 11 156 216 75 74	
Argentina	Centro de toxicología hospital san roque	Bajada Pucara 1900 5000 Cordoba	+35 11 565 07 101	
Argentina	Centro Provincial de Información, Asesoramiento y Asistencia Toxicológica	Talcahuano 2194 Godoy Cruz, Mendoza	+54 261 4282020	
Argentina	SERTO (Servicio de Toxicología del Sanatorio de Niños)	Alvear 858 -PB "A" Rosario, Santa Fe	+54 341 448 0202	
Austria	Vergiftungsinformationszentrale (Poisons Information Centre)	Allgemeines Krankenhaus Waehringer Geurtel 18-20 1090 Wien	+43 1 406 43 43	
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245	
Bulgaria	National Toxicological Information Centre National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Tottleben Boulevard 1606 SOFIA	+359 2 9154 411	
Costa Rica	Hospital Nacional de Niños "Dr. Carlos Sáenz Herrera" Centro de Ciencias Médicas de la CCSS	Paseo Colón San José	+506 2223 1028/911	
Croatia	Poisons Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342	
Cyprus	Poison center		1401	

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Country	Organisation/Company	Address	Emergency number	Comment
Cyprus	Poison center		1401	
Czech Republic	Poisons Information Centre Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojisti 1 128 00 Prague 2	+42 2 2491 9293 +42 2 2491 5402	
Denmark	Poison Information Centre Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV	+45 82 12 12 12 +45 35 31 55 55	
Finland	Poison Information Centre	Stenbäckinkatu 9 PO BOX 100 29 Helsinki	+358 9 471 977 +358 9 471 1	
Former Yugoslav Republic of Macedonia	National Control and Information Center for Poisonings	Vodnjanska 17 Skopje	+38 923 147 635	
France	ORFILA		+ 33 1 45 42 59 59	
France	INRS	65 boulevard Richard-Lenoir 75011 Paris	+ 33 1 40 44 30 00	
France	Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal	200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10	+33 1 40 05 48 48	
Germany	Giftinformationszentrum-Nord Zentrum Pharmakologie und Toxikologie der Universität Göttingen	Robert-Koch Strasse 40 D-37075 Göttingen	+49 551 19240	
Greece	Poisons Information Centre Children's Hospital "Aglaiia. Kyriakou"	11527 Athens	+30 210 779 3777	
Greece	Poisons Information Centre Children's Hospital "Aglaiia. Kyriakou"	11527 Athens	+30 210 779 3777	
Greece	Poisons Information Centre Children's Hospital "Aglaiia. Kyriakou"	11527 Athens	+30 210 779 3777	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. Postacím: 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Italy	Centro Antiveneni (Poisons Centre) Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore	Largo Agostino Gemelli 8 I-00168 Roma	+39 06 305 4343	
Kazakhstan	Republican Toxicology Center City Emergency Medicine Hospital	Tole-bi 93 480083 Almaty	+7 3272 925 868	
Kazakhstan	Regional (Oblast) Toxicology and Hyperbaric Oxygenation Centre	Lumumba Street 60 South Kazakhstan Oblast, Kazakhstan 486018 Shymkent		
Madagascar	Service de Reanimation Medicale et de Toxicologie Clinique, Hôpital Ravoahangy	Antananarivo	+261 20 225510	
Mexico	Centro Regional de Información y Atención Toxicológica	Av. los Angeles Esquina Analco Unidad Administrativa Reforma Ciudad de Guadalajara, Jalisco	+52 3336 50 30 60	
Mexico	Servicio de Toxicología Clínica Hospital Juárez Mexico	Avda. Instituto Politécnico Nacional, 5160 Colonia Magdalena de las Salinas, Del.G.A. Madero	+52 44 55 399 36665	
Mexico	Centro Regional de Información y Atención Toxicológica	Los Angeles y Analco Guadalajara, Jalisco	+52 33 36 69 13 38	
Mexico	Centro de Información y Asistencia Toxicológica Hospital de Pediatría Centro Médico Nacional Siglo XXI. IMSS	Avenida Cuauhtémoc 330 Col. Doctores Delegación Cuauhtémoc México, D.F.	+52 27 69 00 extn 22317	
Mexico	Servicio de Información Toxicológica Sintox	Tintoreto #32 Edif. a Desp. Col. Nochebuena Mixcoac México, D.F.	1 800 009 2800	
Mexico	Centro de Información y Asistencia Toxicológica Centro Médico Nacional La Raza	Jacarandas y Vallejo s-n Col La Raza Delegación Azcapotzalco México, D.F.	+52 44 55 39 397 381	
Mexico	Centro de Información y Asistencia Toxicológica	Av. Instituto Politécnico Nacional No. 5160 Col. Magdalena de las Salinas. México D.F. Delegación Gustavo A. Madero 07760 México, D.F.	+55 399 36665	

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Country	Organisation/Company	Address	Emergency number	Comment
Mexico	Centro de Información Toxicológica Michoacán	Av. Madero Ote No. 686, Centro Morelia, Michoacán	+52 443 3 17 51 63	
Mexico	Centro Estatal de Información Toxicológica	Arieta No. 707 Colonia La Surtidora Pachuca, Hidalgo	1 800 557 83 88	
Mexico	Centro de Información Toxicológica de Veracruz - CITVER	Av. 20 de Noviembre 1074 Col. Centro Veracruz	+52 229 9329753	
Netherlands	National Poisons Information Centre National Institute for Public Health and the Environment, NB this service is only available to health professionals	P.O. Box 1 3720 BA Bilthoven	+31 30 274 88 88	
Norway	Giftinformasjonen Helseidrettoratet	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300	
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 in Portugal), +351 21 330 3284	
Romania	TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu"	Bulevardul Iancu de Hunedoara 30-32 Bucharest	+40 2121 06282 +40 2121 06183	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucharest	+40 21 230 8000	
Romania	Institutul National de Sanatate Publica	Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 050463 Bucuresti	+40 21 318 3606	
Serbia	National Poison Control Centre Military Medical Academy, Vnomedicinska Akademija	Crnotravska 17 Belgrade	+381 11 3608 440	
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	
Sweden	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	112 – Begär Giftinformation (National)	
Switzerland	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre	Freiestrasse 16 Postfach CH-8028 Zürich	145 +41 44 251 51 51	
Turkey	Toxicology Department and Poisons Centre Refik Saydam Central Institute of Hygiene, Llandough Hospital	Cemal Gürsel Cad no. 18 Sihhiye 6100 Ankara	0 800 314 7900 (Turkey only) +90 0312 433 70 01	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4	H302
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful if inhaled. Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



CLP Signal word

: Danger

Hazardous ingredients

: dodine (ISO), dodecylguanidinium acetate; Ethoxylated oleil amine, dodecylbenzenesulphonic salt

Hazard statements (CLP)

: H302+H332 - Harmful if swallowed or if inhaled
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P261 - Avoid breathing vapours.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear eye protection, protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of water/...
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor
P501 - Dispose of contents/container to a hazardous or special waste collection point

EUH-statements

: EUH208 - Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Extra phrases

: SPo 2 - Wash all protective clothing after use
SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads)
SPe3- To protect aquatic organisms/non-target plants/non-target arthropods/insects respect an unsprayed buffer zone of (distance to be specified) to non-agricultural land/surface water bodies

Scandinavian countries regulation

Denmark

Danish product registration number : 361-29

2.3. Other hazards

Other hazards not contributing to the classification

: SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dodine (ISO), dodecylguanidinium acetate	(CAS-No.) 2439-10-3 (EC-No.) 219-549-5 (EC Index-No.) 607-076-00-X	53	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
Ethoxylated oleil amine, dodecylbenzenesulphonic salt	(CAS-No.) 66467-20-7	< 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	(C >= 0.05) Skin Sens. 1, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. 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".

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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues 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 : Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Handling temperature : Store at room temperature
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.
Maximum storage period : 2 year(s)

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal 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:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

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
Appearance : Opaque. Viscous.
Colour : white.
Odour : Chemical odor.
Odour threshold : Not applicable
Not applicable
pH : 5 - 9
Relative evaporation rate (butylacetate=1) : Not applicable
Relative evaporation rate (ether=1) : Not applicable
Melting point : Not applicable
Freezing point : Not applicable

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Boiling point	: Not applicable
Flash point	: > 79 °C
Auto-ignition temperature	: 404 °C
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: 1.0287
Density	: 1.0287 g/ml (20°C)
Solubility	: Not applicable.
Log Pow	: Not applicable
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 196 - 1750 mPa.s (40°C)
Explosive properties	: The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

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LD50 oral rat	300 - 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	1 - 5 mg/l/4h
ATE CLP (vapours)	1 mg/l/4h
ATE CLP (dust,mist)	1 mg/l/4h

dodine (ISO), dodecylguanidinium acetate (2439-10-3)	
LD50 oral rat	851 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0.45 mg/l/4h

Ethoxylated oleil amine, dodecylbenzenesulphonic salt (66467-20-7)	
LD50 oral rat	505.05 mg/kg

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 oral	670 mg/kg

Skin corrosion/irritation	: Causes skin irritation. pH: 5 - 9
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Serious eye damage/irritation	: Causes serious eye damage. pH: 5 - 9
Respiratory or skin sensitisation	: Not classified.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	: Very toxic to aquatic life.
Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects.

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LC50 fish 1	3.4 mg/l (96h)
EC50 Daphnia 1	0.123 mg/l (48h semi-static)
ErC50 (algae)	0.022 mg/l (72h)

dodine (ISO), dodecylguanidinium acetate (2439-10-3)

LC50 fish 1	0.6 mg/l (96h Cyprinus carpio)
EC50 Daphnia 1	0.018 mg/l (48h Daphnia magna; flow-through; a.i.)
ErC50 (algae)	0.0044 mg/l (120h Selenastrum capricornutum)
NOEC chronic fish	0.099 mg/l (30d Pimephales promelas)
NOEC chronic crustacea	0.0044 mg/l (21d Daphnia magna)

1,2-benzisothiazol-3(2H)-one (2634-33-5)

LC50 fish 1	1.3 mg/l
EC50 Daphnia 1	0.99 mg/l
ErC50 (algae)	0.084 mg/l
NOEC chronic fish	0.74 mg/l
NOEC chronic crustacea	0.7 mg/l
NOEC chronic algae	0.043 mg/l

12.2. Persistence and degradability

dodine (ISO), dodecylguanidinium acetate (2439-10-3)

Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

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Log Pow	Not applicable
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dodine (ISO), dodecylguanidinium acetate (2439-10-3)

Log Pow	1.25 - 1.33 (20°C pH=4.9 - 9.1)
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12.4. Mobility in soil

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Surface tension	21.4 (19.1 - 21.4) mN/m (12% v/v; 20°C)
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dodine (ISO), dodecylguanidinium acetate (2439-10-3)

Surface tension	50.6 mN/m (20°C)
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14: Transport information

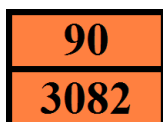
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
14.1. UN number 3082	3082	3082
14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.
Transport document description		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodine, dispensing agent), 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodine, dispensing agent), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Dodine, dispensing agent), 9, III
14.3. Transport hazard class(es) 9	9	9
		
14.4. Packing group 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
No supplementary information available		

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code	: E
EAC code	: •3Z

- Transport by sea

Special provisions (IMDG)	: 274, 335
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1

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IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158
ERG code (IATA)	: 9L

14.7. Transport in bulk according to Annex II of Marpol 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	SYLLIT 544 SC - Ethoxylated oleil amine, dodecylbenzenesulphonic salt
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	SYLLIT 544 SC - dodine (ISO), dodecylguanidinium acetate - 1,2-benzisothiazol-3(2H)-one - Ethoxylated oleil amine, dodecylbenzenesulphonic salt
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	SYLLIT 544 SC - dodine (ISO), dodecylguanidinium acetate - 1,2-benzisothiazol-3(2H)-one - Ethoxylated oleil amine, dodecylbenzenesulphonic salt

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Reference to AwSV	: Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SYLLIT 544 SC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
3	Composition/information on ingredients	Modified	

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
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.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
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]:

Acute Tox. 4 (Oral)	H302	
Acute Tox. 4 (Inhalation:dust,mist)	H332	
Skin Irrit. 2	H315	
Eye Dam. 1	H318	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	

SDS EU (REACH Annex II)

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