

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

1.1. Product identifier

Product form : Mixtures
Product name : Greenstop
Product code : A82

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

1.2.1. Relevant identified uses

Use of the substance/mixture : See product bulletin for detailed information.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

CID LINES NV
Waterpoortstraat, 2
B-8900 Ieper - Belgique
T + 32 57 21 78 77 - F +32 57 21 78 79
sds@cidlines.com - <http://www.cidlines.com>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
	www.who.int/ipcs/poisons/centre/directory/en		
Australia	Poisons Information Centre		13 11 26
Belgium	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B - 1120 Brussels	+32 70 245 245
Canada	CANUTEC		(613) 996-6666
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	112 16662
Finland	Poison Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	112
Netherlands	Nationaal Vergiftigingen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
Switzerland	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre, Schweizerisches Toxicologisches Informationszentrum STIZ	Freiestrasse 16 Postfach CH-8032 Zurich	+41 44 251 51 51 (International) 145 (National)
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
USA	American Association of Poison Control Centers		1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2 H315
Eye Dam. 1 H318
STOT SE 3 H335
Aquatic Acute 1 H400

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS07

GHS09

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life

Precautionary statements (CLP) :

P102 - Keep out of reach of children
P101 - If medical advice is needed, have product container or label at hand
P261 - Avoid breathing spray, vapours
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear Eye protection, protective clothing, protective gloves
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 or doctor/physician
P405 - Store locked up
P501 - Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% w/w	Classification according to Directive 67/548/EEC
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS-No.) 68424-85-1 (EC-No.) 270-325-2 (REACH-no) 01-2119945987-15	1 - 5	Xn; R21/22 C; R34 N; R50
Name	Product identifier	% w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS-No.) 68424-85-1 (EC-No.) 270-325-2 (REACH-no) 01-2119945987-15	1 - 5	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
First-aid measures after ingestion : Rinse mouth. If swallowed seek medical advice immediately and show this container or label.

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

Symptoms/effects after inhalation : May cause irritation to the respiratory tract and to other mucous membranes.
Symptoms/effects after skin contact : Redness, pain.
Symptoms/effects after eye contact : Blurred vision. Tears. Redness, pain.
Symptoms/effects after ingestion : Swallowing of this product presents some health hazard. Must not come into contact with food or be consumed.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media can be used.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not combustible.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.

Firefighting instructions : Use water spray to cool exposed surfaces.

Protection during firefighting : Wear proper protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Equip cleanup crew with proper protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spills and put it into appropriated container.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from freezing. Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	< mg/kg bodyweight/day
Long-term - systemic effects, dermal	5.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3.96 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	3.4 mg/kg bodyweight/day
Long-term - systemic effects, dermal	3.4 mg/kg bodyweight/day
Long-term - local effects, inhalation	1.64 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.0009 mg/l
PNEC aqua (marine water)	0.00096 mg/l
PNEC aqua (intermittent, freshwater)	0.00016 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12.27 mg/kg dwt
PNEC sediment (marine water)	13.09 mg/kg dwt
PNEC (Soil)	
PNEC soil	7 mg/kg dwt

Greenstop

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

PNEC (STP)

PNEC sewage treatment plant 0.4 mg/l

8.2. Exposure controls

Personal protective equipment:

Gloves. Protective goggles.

Materials for protective clothing:

Condition	Material	Standard
Good resistance:		EN 943-2

Hand protection:

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Polyvinylchloride (PVC)	6 (> 480 minutes)	0.5	2 (< 1.5)	EN 374

Eye protection:

Field of use: B:B. Mechanical Strength: 3:3

Type	Use	Characteristics	Standard
Safety glasses, Safety goggles	Dust, Droplet	clear, Plastic	EN 166

Skin and body protection:

Type	Standard
	EN 943

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Full face mask	ABEK	Vapour protection, Dust protection	EN 132, EN 140



Environmental exposure controls:

Ventilate area.

Other information:

When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Green.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: ca 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: -10 °C
Boiling point	: 98 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

Greenstop

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Relative density	: ca 1
Solubility	: Water: 100 %
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Greenstop	
LD50 oral rat	> 2000 mg/kg
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
ATE CLP (oral)	100.000 mg/kg bodyweight
ATE CLP (dermal)	300.000 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation. pH: ca 7
Serious eye damage/irritation	: Causes serious eye damage. pH: ca 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not applicable
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LC50 other aquatic organisms 1	0.03 mg/l Algae

12.2. Persistence and degradability

Greenstop	
Persistence and degradability	Biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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

Regional legislation (waste) : Do not empty into drains. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 3082
 UN-No. (IMDG) : 3082
 UN-No. (IATA) : 3082
 UN-No. (ADN) : Not applicable
 UN-No. (RID) : 3082

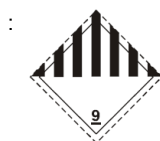
14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (Alkyldimethylbenzylammoniumchloride)
 Proper Shipping Name (IMDG) : (Alkyldimethylbenzylammoniumchloride)
 Proper Shipping Name (IATA) : (Alkyldimethylbenzylammoniumchloride)
 Proper Shipping Name (ADN) : (Alkyldimethylbenzylammoniumchloride)
 Proper Shipping Name (RID) : (Alkyldimethylbenzylammoniumchloride)
 Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (Alkyldimethylbenzylammoniumchloride), 9, III, (E)
 Transport document description (IMDG) : UN 3082 (Alkyldimethylbenzylammoniumchloride), 9, III
 Transport document description (IATA) : UN 3082 (Alkyldimethylbenzylammoniumchloride), 9
 Transport document description (RID) : UN 3082 (Alkyldimethylbenzylammoniumchloride), 9

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9
 Danger labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9
 :



IATA

Transport hazard class(es) (IATA) : 9

ADN

Transport hazard class(es) (ADN) : Not applicable

Greenstop

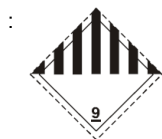
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

RID

Transport hazard class(es) (RID) : 9

Danger labels (RID) : 9



14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : No

Other information : 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) : 5l

Excepted quantities (ADR) : E1

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Hazard identification number (Kemler No.) : 90

Orange plates :



Tunnel restriction code (ADR) : E

EAC code : •3Z

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

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 : Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides is listed

SZW-lijst van mutagene stoffen : Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides is 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

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
R21/22	Harmful in contact with skin and if swallowed
R34	Causes burns
R50	Very toxic to aquatic organisms
C	Corrosive
N	Dangerous for the environment
Xn	Harmful

SDS EU CLP DPD

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