SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Graffiti Remover Allround

Product no.
-

REACH registration number
Not applicable

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

Relevant identified uses of the substance or mixture
Graffiti Removal

Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
Blue & Green AB
Stenorsvägen 52
261 44 Landskrona
Sweden
Tfn: +46 418 399000
Fax: +46 418 13199
www.blueandgreen.se

E-mail
info@blueandgreen.se

SDS date
2020-09-25

SDS Version
1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Eye Dam. 1; H318
Repr. 1B; H360
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

Signal word
Danger

Hazard statement(s)
Causes serious eye damage. (H318)
May damage fertility or the unborn child. (H360)

Precautionary statements

General	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
Prevention	Obtain special instructions before use. (P201).
Response	IF exposed or concerned: Get medical advice/attention. (P308+P313).
Storage	Store locked up. (P405).
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

1-ethylpyrrolidin-2-one; docusate sodium

Additional labelling

Not applicable

Unique formula identifier (UFI)

EEX3-D3X3-5107-44FX

2.3. Other hazards

Not applicable

Additional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME: dimethyl glutarate
IDENTIFICATION NOS.: CAS-no: 1119-40-0 EC-no: 214-277-2 REACH-no: 01-2119900156-49
CONTENT: 25-40%
CLP CLASSIFICATION: NA

NAME: 1-ethylpyrrolidin-2-one
IDENTIFICATION NOS.: CAS-no: 2687-91-4 EC-no: 220-250-6 REACH-no: 01-2119472138-36 Index-no: 616-208-00-5
CONTENT: 15 - <25%
CLP CLASSIFICATION: Eye Dam. 1, Repr. 1B
H318, H360

NAME: dimethyl succinate
IDENTIFICATION NOS.: CAS-no: 106-65-0 EC-no: 203-419-9 REACH-no: 01-2119486681-29
CONTENT: 5 - <10%
CLP CLASSIFICATION: NA

NAME: Dipropylene glycol dimethyl ether
IDENTIFICATION NOS.: CAS-no: 111109-77-4 EC-no: 404-640-5 REACH-no: 01-0000015420-83
CONTENT: 5 - <10%
CLP CLASSIFICATION: NA

NAME: dimethyl adipate
IDENTIFICATION NOS.: CAS-no: 627-93-0 EC-no: 211-020-6 REACH-no: 01-2119911093-50
CONTENT: 2.5 - <5%
CLP CLASSIFICATION: NA

NAME: docusate sodium
IDENTIFICATION NOS.: CAS-no: 577-11-7 EC-no: 209-406-4 REACH-no: 01-2119491296-29
CONTENT: 2.5 - <5%
CLP CLASSIFICATION: Skin Irrit. 2, Eye Dam. 1
H315, H318

NAME: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
IDENTIFICATION NOS.: CAS-no: - EC-no: 926-141-6 REACH-no: 01-2119456620-43
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: Asp. Tox. 1
H304, EUH066

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 6.1096 - 9.1644
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0.2776 - 0.4164

Detergent:
< 5%: ANIONIC SURFACTANTS, ALIPHATIC HYDROCARBONS

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Sulphur oxides. Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure

controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. The room and chemical closet shall be provided with warning sign for toxic substances. Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

DNEL / PNEC

DNEL (dimethyl succinate): 1,1mg/m3
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - Workers

DNEL (dimethyl succinate): 6.8mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dimethyl succinate): 33,5mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dimethyl succinate): 1,1mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl succinate): 12,6mg/kg
Exposure: Dermal
Duration of Exposure: Short term – Systemic effects - Workers

DNEL (dimethyl succinate): 67mg/m3
Exposure: Inhalation
Duration of Exposure: Short term – Systemic effects - Workers

DNEL (dimethyl glutarate): 8,3mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl glutarate): 49,8mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl glutarate): 5mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Local effects - General population

DNEL (dimethyl glutarate): 50mg/m3
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - General population

DNEL (Dipropylene glycol dimethyl ether): 22.1 mg/kg bw/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Dipropylene glycol dimethyl ether): 133 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Dipropylene glycol dimethyl ether): 5.26 mg/kg bw/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Dipropylene glycol dimethyl ether): 15.8 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Dipropylene glycol dimethyl ether): 1.67 mg/kg bw/d
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (1-ethylpyrrolidin-2-one): 20.1 mg/m3
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - Workers

DNEL (1-ethylpyrrolidin-2-one): 10.05 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Local effects - Workers

DNEL (1-ethylpyrrolidin-2-one): 16.75 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (1-ethylpyrrolidin-2-one): 4 mg/kg bw/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (1-ethylpyrrolidin-2-one): 1 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (1-ethylpyrrolidin-2-one): 0.5 mg/kg bw/day
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (1-ethylpyrrolidin-2-one): 1.2 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Local effects - General population

DNEL (1-ethylpyrrolidin-2-one): 0.5 mg/kg bw/d
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (docusate sodium): 200.89 mg/kg bw/day
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (docusate sodium): 1416.82 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (docusate sodium): 419.25 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (docusate sodium): 120.54 mg/kg bw/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (docusate sodium): 13.39 mg/kg bw/d
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

PNEC (dimethyl succinate): 0,05mg/l
Exposure: Freshwater

PNEC (dimethyl succinate): 0,005mg/l
Exposure: Marine water

PNEC (dimethyl succinate): 0,5mg/l

Exposure: Intermittent release

PNEC (dimethyl succinate): 10mg/l
Exposure: Sewage Treatment Plant

PNEC (dimethyl succinate): 0,137mg/kg
Exposure: Freshwater sediment

PNEC (dimethyl succinate): 0,014mg/kg
Exposure: Marine water sediment

PNEC (dimethyl adipate): 0,018mg/l
Exposure: Freshwater

PNEC (dimethyl adipate): 0,0018mg/l
Exposure: Marine water

PNEC (dimethyl adipate): 0,18mg/l
Exposure: Intermittent release

PNEC (dimethyl adipate): 0,16mg/kg
Exposure: Freshwater sediment

PNEC (dimethyl adipate): 0,016
Exposure: Marine water sediment

PNEC (dimethyl adipate): 0,09mg/kg
Exposure: Soil

PNEC (dimethyl adipate): 10mg/l
Exposure: Sewage Treatment Plant

PNEC (dimethyl glutarate): 0,018mg/l
Exposure: Freshwater

PNEC (dimethyl glutarate): 0,0018/mg/l
Exposure: Marine water

PNEC (dimethyl glutarate): 0,018/mg/l
Exposure: Intermittent release

PNEC (dimethyl glutarate): 0,16mg/kg
Exposure: Freshwater sediment

PNEC (dimethyl glutarate): 0,016mg/kg
Exposure: Marine water sediment

PNEC (dimethyl glutarate): 0,09mg/kg
Exposure: Soil

PNEC (dimethyl glutarate): 10mg/l
Exposure: Sewage Treatment Plant

PNEC (Dipropylene glycol dimethyl ether): 1 ml/l
Exposure: Freshwater
Remarks: sdb Univar

PNEC (Dipropylene glycol dimethyl ether): 0.1 mg/l
Exposure: Marine water

PNEC (Dipropylene glycol dimethyl ether): 10 mg/l
Exposure: Intermittent release

PNEC (Dipropylene glycol dimethyl ether): 0.1 mg/kg dw
Exposure: Soil

PNEC (Dipropylene glycol dimethyl ether): 1.16 mg/kg dw
Exposure: Freshwater sediment

PNEC (Dipropylene glycol dimethyl ether): 1.16 mg/kg dw
Exposure: Marine water sediment

PNEC (Dipropylene glycol dimethyl ether): 10 mg/l

Exposure: Sewage Treatment Plant

PNEC (1-ethylpyrrolidin-2-one): 0.025 mg/l
Exposure: Marine water

PNEC (1-ethylpyrrolidin-2-one): 1 mg/l
Exposure: Intermittent release

PNEC (1-ethylpyrrolidin-2-one): 0.235 mg/kg
Exposure: Soil

PNEC (1-ethylpyrrolidin-2-one): 0.25 mg/l
Exposure: Freshwater

PNEC (1-ethylpyrrolidin-2-one): 10 mg/l
Exposure: Sewage Treatment Plant

PNEC (1-ethylpyrrolidin-2-one): 1.91 mg/kg
Exposure: Freshwater sediment

PNEC (1-ethylpyrrolidin-2-one): 0.191 mg/kg
Exposure: Marine water sediment

PNEC (docusate sodium): 0.18 mg/l
Exposure: Freshwater

PNEC (docusate sodium): 0.018 mg/l
Exposure: Marine water

PNEC (docusate sodium): 0.152 mg/l
Exposure: Intermittent release

PNEC (docusate sodium): 12.2 mg/l
Exposure: Sewage Treatment Plant

PNEC (docusate sodium): 17.79 mg/kg dw
Exposure: Freshwater sediment

PNEC (docusate sodium): 1.779 mg/kg dw
Exposure: Marine water sediment

PNEC (docusate sodium): 1.04 mg/kg dw
Exposure: Soil

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

There is no appendix to this safety data sheet.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment
NA

Skin protection
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

Hand protection
Butyl rubber
Breakthrough time: > 480 minutes (Class 6)

Eye protection
Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Blue
Odour	Pleasant
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm³)	No data available.

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility

Solubility in water	Insoluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The product is stable under the conditions, noted in the section “Handling and storage”.

10.3. Possibility of hazardous reactions
Nothing special

10.4. Conditions to avoid
Nothing special

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Rat
Test: LD50
Route of exposure: Dermal

Result: >5000 mg/kg

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >5000 mg/kg

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: >20 mg/l 4h

Substance: docusate sodium
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: 2525 mg/kg

Substance: docusate sodium
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >3000 mg/kg

Substance: dimethyl adipate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 5000mg/kg

Substance: dimethyl adipate
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: 2000mg/kg

Substance: dimethyl adipate
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: 11000mg/l

Substance: Dipropylene glycol dimethyl ether
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 3300 mg/kg

Substance: Dipropylene glycol dimethyl ether
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: >2000 mg/kg

Substance: dimethyl succinate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 5000mg/kg

Substance: dimethyl succinate
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: 2000mg/kg

Substance: dimethyl succinate
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: 11000mg/l

Substance: 1-ethylpyrrolidin-2-one
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 3200 mg/kg

Substance: 1-ethylpyrrolidin-2-one
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: >5.1 mg/l, 4h

Substance: 1-ethylpyrrolidin-2-one
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: >2000 mg/kg

Skin corrosion/irritation
No data available.

Serious eye damage/irritation
Causes serious eye damage.

Respiratory or skin sensitisation
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
May damage fertility or the unborn child.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
No data available.

Long term effects
Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders.
Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.
This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Fish
Test: NOEC
Duration: 96h
Result: 1000 mg/l

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Daphnia
Test: NOEC
Duration: 48h
Result: 1000 mg/l

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Algae
Test: NOEC
Duration: 72h
Result: 1000 mg/l

Substance: docusate sodium
Species: Fish
Test: LC50
Duration: 96h
Result: 10-100 mg/l

Substance: docusate sodium
Species: Daphnia

Test: EC50
Duration: 48h
Result: 1-10 mg/l

Substance: docusate sodium
Species: Algae
Test: EC50
Duration: 72h
Result: 10-100 mg/l

Substance: dimethyl adipate
Species: Fish
Test: LC50
Duration: 96h
Result: 18-24mg/l

Substance: dimethyl adipate
Species: Daphnia
Test: EC50
Duration: 48h
Result: 112-150mg/l

Substance: dimethyl adipate
Species: Algae
Test: EC50
Duration: 72h
Result: >85mg/l

Substance: Dipropylene glycol dimethyl ether
Species: Fish
Test: LC50
Duration: 96h
Result: >1000 mg/l

Substance: Dipropylene glycol dimethyl ether
Species: Daphnia
Test: EC50
Duration: 24h
Result: >1000 mg/l

Substance: Dipropylene glycol dimethyl ether
Species: Algae
Test: EC50
Duration: 72h
Result: >1000 mg/l

Substance: dimethyl succinate
Species: Fish
Test: LC50
Duration: 96h
Result: 12-24mg/l

Substance: dimethyl succinate
Species: Daphnia
Test: EC50
Duration: 48h
Result: 112-150mg/l

Substance: dimethyl succinate
Species: Algae
Test: EC50
Duration: 72h
Result: >85mg/l

Substance: 1-ethylpyrrolidin-2-one
Species: Fish
Test: LC50
Duration: 96h
Result: 464 mg/l

Substance: 1-ethylpyrrolidin-2-one
Species: Algae
Test: EC50

Duration: 72h
Result: >101 mg/l

Substance: 1-ethylpyrrolidin-2-one
Species: Daphnia
Test: EC50
Duration: 48h
Result: >104 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Hydrocarbons, C11-C14, n-alkan...	Yes	Closed Bottle Test	69%
docusate sodium	Yes	No data available	No data available
dimethyl adipate	Yes	No data available	No data available
Dipropylene glycol dimethyl et...	No	CO2 Evolution Test	32%
dimethyl succinate	Yes	No data available	No data available
1-ethylpyrrolidin-2-one	Yes	DOC Die-Away Test	90-100%
dimethyl glutarate	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
docusate sodium	No	No data available	No data available
Dipropylene glycol dimethyl et...	No	0.42	No data available
1-ethylpyrrolidin-2-one	No	-0.2	No data available

12.4. Mobility in soil

Hydrocarbons, C11-C14, n-alkan...: Log Koc= 5.70089, Calculated from LogPow (Low mobility potential.).
Dipropylene glycol dimethyl et...: Log Koc= 0.410998, Calculated from LogPow (High mobility potential.).
1-ethylpyrrolidin-2-one: Log Koc= -0.07998, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

-

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

IATA/ICAO

UN-no.	-
Proper Shipping Name	-
Class	-

PG* -

14.5. Environmental hazards
-

14.6. Special precautions for user
-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
Industrial use only.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Seveso

-

Biocidal reg. no.

Not applicable

Sources

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.
Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H360 - May damage fertility or the unborn child.
EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

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Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

David Löwenstein

Date of last essential change
(First cipher in SDS version)

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Date of last minor change
(Last cipher in SDS version)

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