

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 21.02.2022

Version number 23

Revision: 21.02.2022

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

- **1.1 Product identifier**
- **Trade name: Dulon Bilge & Engine Cleaner 34**
- **UFI: 8K50-G08U-0002-P0NT**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category PC35** Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **Uses advised against**  
All applications that differ from the mentioned application in "application of the mixture", are advised against or have to be discussed with the supplier / producer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Dulon Marine Deckmate Group  
Energieweg 12  
2382 NJ Zoeterwoude-The Netherlands  
T +31 (0)85 0180 340  
E info@dulonmarine.com  
I www.dulonmarine.com  
I www.deckmate.eu
- **Informing department:** Product safety department.
- **1.4 Emergency telephone number:**  
Dulon Marine Deckmate Group - Energieweg 12 - Tel: +31 (0)85 0180 340

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.  
Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Isotridecanol, ethoxylated (>5-20 EO)  
Sodium Metasilicate  
C9-11 Alcohol ethoxylate
- **Hazard statements**  
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P303+P361+P353 **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

P310 **Immediately call a POISON CENTER/doctor.**

P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 **Specific treatment (see on this label).**

P405 **Store locked up.**

P501 **Dispose of contents/container in accordance with local/regional/national/international regulations.**

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Cleansing agent

#### · **Dangerous components:**

CAS: 69011-36-5 NLP: 500-241-6 Reg.nr.: 01-2119976362-32	Isotridecanol, ethoxylated (>5-20 EO) ☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302	2.5-<10%
CAS: 68439-46-3 Reg.nr.: 01-2119980051-45	C9-11 Alcohol ethoxylate ☞ Eye Irrit. 2, H319	< 2.0%
CAS: 10213-79-3 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37	Sodium Metasilicate ☞ Met. Corr.1, H290; Skin Corr. 1B, H314; ☞ Acute Tox. 4, H302; STOT SE 3, H335	< 2.0%
CAS: 61791-10-4 EC number: 612-396-8 Reg.nr.: 01-2119980966-16	Quarternary coco alkylamine ethoxylate ☞ Acute Tox. 3, H331; ☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315	< 2.0%

#### · **Ingredients conform 89/542/EG**

non-ionic surfactants	≥5 - <15%
phosphates, cationic surfactants	<5%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation**  
Supply fresh air; consult doctor in case of symptoms.  
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Drink copious amounts of water and provide fresh air. Instantly call for doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Water

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- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case product reaches water or sewage system.  
Dilute with much water.  
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from frost.  
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- **Additional information about design of technical systems:** No further data; see item 7.

**Components with limit values that require monitoring at the workplace:**

**34590-94-8 Dipropylene glycol monomethyl ether (2.5-<10%)**

WEL	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm
Sk	

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and food.  
Take off immediately all contaminated clothing  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.

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- **Breathing equipment:**

*Not necessary if room is well-ventilated.*

*In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.*

- **Protection of hands:**

*Protective gloves.*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- **Material of gloves**

*Nitrile rubber, NBR*

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

- **Penetration time of glove material**

*> 0,5 mm / 240 min.*

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- **Eye protection:** *Tightly sealed safety glasses.*

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

*Form: Liquid*

*Colour: Colourless*

- **Odour:** *Characteristic*

- **Odour threshold:** *Not determined.*

- **pH-value at 20 °C:** *12.5*

- **Change in condition**

*Melting point/freezing point: Not determined*

*Initial boiling point and boiling range: 100 °C*

- **Flash point:** *79 °C*

- **Inflammability (solid, gaseous)** *Not applicable.*

- **Ignition temperature:** *207 °C*

- **Decomposition temperature:** *Not determined.*

- **Self-inflammability:** *Product is not selfigniting.*

- **Explosive properties:** *Product is not explosive.*

- **Critical values for explosion:**

*Lower: Not determined.*

*Upper: Not determined.*

- **Vapour pressure at 20 °C:** *23 hPa*

- **Density at 20 °C** *1.03 g/cm<sup>3</sup>*

- **Relative density** *Not determined.*

- **Vapour density** *Not determined.*

- **Evaporation rate** *Not determined.*

- **Solubility in / Miscibility with**

*Water: Fully miscible*

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- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
  - dynamic:** Not determined.
  - kinematic:** Not determined.
- **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** Avoid creating mist or damp in rooms where no ventilation is present
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

**69011-36-5 Isotridecanol, ethoxylated (>5-20 EO)**

Oral	LD50	>300-2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbits)

**68439-46-3 C9-11 Alcohol ethoxylate**

Oral	LD50	2000-5000 mg/kg (rat)
Dermal	LD50	2000-5000 mg/kg (rat)
Inhalative	LC50/4 h	20.1 mg/l (rat)

**10213-79-3 Sodium Metasilicate**

Oral	LD50	600-1350 mg/kg (rabbits)
		800 mg/kg (rat)
Inhalative	LC50/4 h	2320 mg/l (vis)

**61791-10-4 Quarternary coco alkylamine ethoxylate**

Oral	LD50	4500 mg/kg (rat)
Inhalative	LC50/4 h	6 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

##### **69011-36-5 Isotridecanol, ethoxylated (>5-20 EO)**

EC50/48h 1-10 mg/l (daphnia)

EC50/72h 1-10 mg/l (*Scenedesmus subspicatus*)

LC50/96h 1-10 mg/l (fish)

##### **10213-79-3 Sodium Metasilicate**

EC50/96h &gt;1000 mg/l (bacteria)

LC50/96h 3185 mg/l (fish)

· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.

##### · Ecotoxicological effects:

· **Remark:** Harmful to fish

##### · Additional ecological information:

##### · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Harmful to aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

##### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

##### · Uncleaned packagings:

· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

#### · 14.1 UN-Number

-

#### · ADR, ADN, IMDG, IATA

Void

#### · 14.2 UN proper shipping name

#### · ADR, ADN, IMDG, IATA

Void

#### · 14.3 Transport hazard class(es)

#### · ADR, ADN, IMDG, IATA

#### · Class

Void

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· <b>14.4 Packing group</b>	-
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Excepted quantities (EQ)</b>	NOT SUBJECT TO ADR
· <b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Directive 2012/18/EU**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.
- **Department issuing data specification sheet:** Environment protection department.
- **Contact:** Research & Development
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
Met. Corr.1: Corrosive to metals – Category 1  
Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 3: Acute toxicity – Category 3  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- **\* Data compared to the previous version altered.**