

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

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

· **1.1 Product identifier**

· Trade name: **HYPER CLEAN**

· Article number: 03980001

· **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)

· Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

· Application of the substance / the mixture Car shampoo

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

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Widnes Cheshire, WA8 0RD

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· **Further information obtainable from:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **1.4 Emergency telephone number:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

EU: Tel. 112

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H335 May cause respiratory irritation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: **HYPER CLEAN**

(Contd. of page 1)

· **Hazard pictograms**

GHS05 GHS07

· **Signal word** Danger· **Hazard-determining components of labelling:**

2-aminoethanol
 dodecylbenzenesulfonic acid
 Alcohol ethoxylate C9 - C11
 sodium hydroxide

· **Hazard statements**

H314 Causes severe skin burns and eye damage.
 H335 May cause respiratory irritation.

· **Precautionary statements**

P260 Do not breathe dusts or mists.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 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.
 P321 Specific treatment (see on this label).
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Contains biocidal products: Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides
 2.3 Other hazards The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.
 · **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 85536-14-7 EINECS: 287-494-3 Reg.nr.: 01-2119490234-40-xxxx	dodecylbenzenesulfonic acid ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302 ⚠ Aquatic Chronic 3, H412	5-10%
CAS: 141-43-5 EINECS: 205-483-3 Reg.nr.: 01-2119486455-28-xxxx	2-aminoethanol ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335 ⚠ Aquatic Chronic 3, H412	5-10%
CAS: 68439-46-3 Polymer	Alcohol ethoxylate C9 - C11 ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302	5-10%
CAS: 164462-16-2 ELINCS: 423-270-5 Reg.nr.: 01-0000016977-53-xxxx	Trisodium 2-[bis(carboxylatomethyl)amino]propanoate ⚠ Met. Corr.1, H290	5-10%
EC number: 701-037-1 Reg.nr.: 01-2119513350-56-xxxx	sodium xylene sulphonate ⚠ Eye Irrit. 2, H319	5-10%
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27-xxxx	sodium hydroxide ⚠ Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	1-2.5%
CAS: 308062-28-4 EC number: 931-292-6 Reg.nr.: 01-2119490061-47-0000	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ⚠ Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315	0.1-1%

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: HYPER CLEAN

(Contd. of page 2)

- **Ingredients according to Detergents Regulation 648/2004/EC**
For the wording of the listed hazard phrases refer to section 16.

Anionic surfactants	≥15 - <30%
Nonionic surfactants	≥5 - <15%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **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:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, universal binders).
Use neutralising agent.
Dispose 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 disposal information.

SECTION 7: Handling and storage

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

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: HYPER CLEAN

(Contd. of page 3)

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****34590-94-8 Dipropylene glycol monomethyl ether (5-10%)**

WEL (Great Britain)	Long-term value: 308 mg/m ³ , 50 ppm Sk
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IOELV (European Union)	Long-term value: 308 mg/m ³ , 50 ppm Skin
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141-43-5 2-aminoethanol (5-10%)

WEL (Great Britain)	Short-term value: 7.6 mg/m ³ , 3 ppm Long-term value: 2.5 mg/m ³ , 1 ppm Sk
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IOELV (European Union)	Short-term value: 7.6 mg/m ³ , 3 ppm Long-term value: 2.5 mg/m ³ , 1 ppm Skin
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1310-73-2 sodium hydroxide (1-2.5%)

WEL (Great Britain)	Short-term value: 2 mg/m ³
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DNELs**85536-14-7 dodecylbenzenesulfonic acid**

Oral	DNEL Long term-systemic	0.85 mg/kg human/day (consumer)
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Dermal	DNEL Long term-systemic	85 mg/kg human/day (consumer)
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		170 mg/kg human/day (worker)
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Inhalative	DNEL Long term-systemic mg/m ³	3 mg/m ³ (consumer)
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		12 mg/m ³ (worker)
--	--	-------------------------------

	DNEL Long term local mg/m ³	3 mg/m ³ (consumer)
--	--	--------------------------------

		12 mg/m ³ (worker)
--	--	-------------------------------

164462-16-2 Trisodium 2-[bis(carboxylatomethyl)amino]propanoate

Oral	DNEL acute-systemic	85 mg/kg human/day (consumer)
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	DNEL Long term-systemic	17 mg/kg human/day (consumer)
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Inhalative	DNEL Long term-systemic mg/m ³	20 mg/m ³ (consumer)
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		40 mg/m ³ (worker)
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	DNEL Long term local mg/m ³	2 mg/m ³ (consumer)
--	--	--------------------------------

		4 mg/m ³ (worker)
--	--	------------------------------

	DNEL Acute-systemic mg/m ³	20 mg/m ³ (consumer)
--	---------------------------------------	---------------------------------

		40 mg/m ³ (worker)
--	--	-------------------------------

	DNEL Acute-local mg/m ³	20 mg/m ³ (consumer)
--	------------------------------------	---------------------------------

		40 mg/m ³ (worker)
--	--	-------------------------------

1310-73-2 sodium hydroxide

Inhalative	DNEL Long term-systemic mg/m ³	1 mg/m ³ (-)
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PNECs**85536-14-7 dodecylbenzenesulfonic acid**

PNEC Freshwater mg/L	0.287 mg/L
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PNEC Marinewater mg/L	0.0287 mg/L
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PNEC Freshwater sediment	0.287 mg/Kg
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PNEC Marine water sediment	0.287 mg/Kg
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PNEC Intermittent release	0.0167 (mg/L)
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PNEC Soil	35 mg/Kg
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PNEC Sewage treatment Plant mg/L	3.43 mg/L
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164462-16-2 Trisodium 2-[bis(carboxylatomethyl)amino]propanoate

PNEC Freshwater mg/L	2 mg/L (-)
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PNEC Marinewater mg/L	0.2 mg/L (-)
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PNEC Freshwater sediment	24 mg/Kg (-)
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PNEC Intermittent release	1 (-)
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PNEC Soil	2.5 mg/Kg (-)
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PNEC Sewage treatment Plant mg/L	100 mg/L (-)
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(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: **HYPER CLEAN**

(Contd. of page 4)

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.
- **Respiratory protection:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

Rubber gloves

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

- **Material of gloves**

Rubber gloves

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**

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

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- **Not suitable are gloves made of the following materials:** Strong material gloves

- **Eye protection:**



Tightly sealed goggles

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Light red
Odour:	Characteristic
Odour threshold:	Not determined.

- **pH-value at 20 °C:** 13.5

- **Change in condition**

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C

- **Flash point:** Not applicable.

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:** 207 °C

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.
Not determined.

- **Explosion limits:**

Lower:	Not determined.
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(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: **HYPER CLEAN**

(Contd. of page 5)

Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density at 20 °C:	1.106 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	15 s (DIN 53211/4)
· Solvent content:	
Organic solvents:	15.2 %
Swiss VOC:	7.75 %
· Solids content:	10.9 %
· 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** Strong exothermic reaction with acids.
- **10.4 Conditions to avoid** No further relevant information available.
- **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 relevant for classification:

85536-14-7 dodecylbenzenesulfonic acid

Oral	LD50	1,470 mg/kg (Rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (Rat)
	LC50 / 96 h	>1-10 mg/ltr (Cyprinus Carpio) (OECD 203) >1-10 mg/ltr (Lepomis Macrochirus (Bluegill Sunfish)) 1-10 mg/ltr (Brachydanio rerio)
	EC 50 / 48 h	>1-10 mg/ltr (Daphnia magna (water flea)) (OECD 202)
	EC 50 / 72 H	>10-100 (Desmodesmus subspicatus) (mg/L OECD 201)

141-43-5 2-aminoethanol

Oral	LD50	1,720 mg/kg (Rat)
Dermal	LD50	1,018 mg/kg (Rabbit)
	LC50 / 48 h	>200 mg/ltr (Lepomus gobbosus (Zonnebaars))
	EC 50 / 48 h	>100 mg/ltr (Daphnia magna (water flea))

68439-46-3 Alcohol ethoxylate C9 - C11

Oral	LD50	1,400 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (Rat)

164462-16-2 Trisodium 2-[bis(carboxylatomethyl)amino]propanoate

Oral	LD50	>4,000 mg/kg (Rat)
Dermal	LD50	>4,000 mg/kg (Rat)
	LC50 / 96 h	>200 mg/ltr (Brachydanio rerio)
	EC 50 / 48 h	>200 mg/ltr (Daphnia magna (water flea))

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: **HYPER CLEAN**

(Contd. of page 6)

1310-73-2 sodium hydroxide

Oral	LD50	3,500 mg/kg (Rat)
	LC50	35 mg/l (fish)
	LC50 / 96 h	125 mg/ltr (Gambusia affinis)
	EC50	40.4 mg/ltr (-)

308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

Oral	LD50	>2,000 mg/kg (Rat)
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- **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.
- **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**
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****85536-14-7 dodecylbenzenesulfonic acid**

OECD test 301 A >70 (biodegradation in % after 28 days)

164462-16-2 Trisodium 2-[bis(carboxylatomethyl)amino]propanoate

OECD test 301 F 80-90 % (biodegradation in % after 28 days)

OECD test 301 A >70 (biodegradation in % after 28 days)

· **12.2 Persistence and degradability** No further relevant information available.· **Other information:** The product is biodegradable.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

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.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.

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** Disposal must be made according to official regulations**European waste catalogue**

15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
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(Contd. on page 8)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: **HYPER CLEAN**

(Contd. of page 7)

15 01 00 packaging (including separately collected municipal packaging waste)

15 01 02 plastic packaging

- **Uncleaned packaging:**
- **Recommendation:** Disposal in accordance with administrative provisions

SECTION 14: Transport information

· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN1719

· **14.2 UN proper shipping name**· **ADR**

1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, dodecylbenzenesulfonic acid)

· **IMDG, IATA**

CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, dodecylbenzenesulfonic acid)

· **14.3 Transport hazard class(es)**· **ADR**· **Class**

8 (C5) Corrosive substances.

· **Label**

8

· **IMDG, IATA**· **Class**

8 Corrosive substances.

· **Label**

8

· **14.4 Packing group**· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**· **Marine pollutant:**

No

· **14.6 Special precautions for user**· **Danger code (Kemler):**

Warning: Corrosive substances.

80

· **EMS Number:**

F-A,S-B

· **Segregation groups**

Alkalis

· **Stowage Category**

A

· **Segregation Code**

SG22 Stow "away from" ammonium salts

SG35 Stow "separated from" SGG1-acids

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**· **ADR**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Transport category**

3

· **Tunnel restriction code**

E

· **IMDG**· **Limited quantities (LQ)**

1L

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: HYPER CLEAN

(Contd. of page 8)

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation":

UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, DODECYLBENZENESULFONIC ACID), 8, III

SECTION 15: Regulatory information**· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Reg. (EC) n. 1272/2008 - CLP;

Reg. (EC) n. 1907/2006 – Reach;

Reg. (EC) n. 2015/830 annex II of REACH;

Reg. (EC) n. 648/04 (Detergents);

Reg. (EC) n. 528/12 (Biocides BPR);

Reg. (EC) n. 1223/2009 (Cosmetics);

Dir. 06/08 ADR – RID - IMDG - IATA;

Dir. 47/08 (Aerosols); Dir. 12/18 (Seveso III);

Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

· Directive 2012/18/EU**· Named dangerous substances - ANNEX I** None of the ingredients is listed.**· REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**· National regulations:****· Technical instructions (air):**

Class	Share in %
NK	10-25

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**· 15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this 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.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· Department issuing SDS:

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· Contact:

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· 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)

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: HYPER CLEAN

(Contd. of page 9)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

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

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**

GB

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.03.2020

Version: 5

Revision: 02.03.2020

Trade name: **HYPER CLEAN**

(Contd. of page 10)

Annex: Exposure scenario

· **Short title of the exposure scenario**

For the finished product.

HYPER CLEAN

Car Snow Foam Detergent

· **Sector of Use SU22** Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· **Product category PC35** Washing and cleaning products (including solvent based products)

· **Process category**

PROC7 Industrial spraying

PROC11 Non industrial spraying

· **Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use**

· **Duration and frequency** 5 workdays/week.

· **Physical parameters**

· **Physical state** Fluid

· **Concentration of the substance in the mixture** The substance is main component.

· **Used amount per time or activity** According to directions for use.

· **Other operational conditions**

· **Other operational conditions affecting environmental exposure** No special measures required.

· **Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Avoid contact with the skin.

· **Other operational conditions affecting consumer exposure** No special measures required.

· **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

· **Risk management measures**

· **Worker protection**

· **Organisational protective measures** No special measures required.

· **Technical protective measures** Ensure that suitable extractors are available on processing machines

· **Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Tightly sealed goggles

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protective gloves

Rubber gloves

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

· **Measures for consumer protection** Ensure adequate labelling.

· **Environmental protection measures**

· **Water** Generally, prior to the introduction of wastewater into wastewater treatment plants a neutralisation is required.

· **Disposal measures**

Disposal in accordance with administrative provisions

Ensure that waste is collected and contained.

· **Disposal procedures** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Waste type** Partially emptied and uncleaned packaging

· **Exposure estimation**

· **Consumer** Not relevant for this Exposure Scenario.

· **Guidance for downstream users** No further relevant information available.