Vescom Cleaner safety data sheet

1. Identification of the substance/mixture and of the company/ undertaking

1.1 product identifier
Vescom Cleaner
UFI: HNT6-QVE5-UY02-1NUX

1.2 concentration in use
1 – 100 %

1.3 details of the supplier of the safety data sheet
Vescom B.V.
Sint Jozefstraat 20
5753 AV Deurne
Phone: +31 493 315 833
E-mail: sales@vescom.com
Website: www.vescom.com

1.4 emergency telephone number
National Poisons Information Center
UMC Utrecht, Netherlands
+31 (0)88 755 8000

2. hazards identification

2.1 classification of the substance or mixture
Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:

H319 eye irrit. 2

2.2 label elements
pictograms:

Signal word: warning.

hazard statements

H319 eye irrit. 2: causes serious eye irritation.

precautionary statements

P264: wash hands thoroughly after handling.

P280: wear protective gloves, protective clothing, eye protection, face protection.

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

P337+P313: if eye irritation persists: Get medical advice/attention.

contains

Disodium metasilicate.

2.3 other hazards
None.

3. composition/ information on ingredients

Disodium metasilicate	< 0,3%	CAS number:	6834-92-0, 13517-24-3
		EINECS:	229-912-9
		REACH registration number:	01-2119449811-37
		CLP classification:	H290 met. corr. 1 H314 skin corr. 1B H335 STOT SE 3

For the full text of the H phrases mentioned in this section, see section 16.

4. first aid measures

4.1 description of first aid measures

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

Skin contact:	remove contaminated clothing, rinse with plenty of water, if necessary seek medical attention.
Eye contact:	first prolonged rinsing with water (contact lenses to be removed if this is easily done) then take to physician.
Ingestion:	rinse mouth, do not induce vomiting, take to hospital immediately.
Inhalation:	let sit upright, fresh air, rest and take to hospital.

4.2 most important symptoms and effects, both acute and delayed

Skin contact:	redness, pain.
Eye contact:	caustic, redness, bad looking, pain.
Ingestion:	diarrhoea, headache, abdominal cramps, sleepiness, vomiting.
Inhalation:	none.

4.3 indication of any immediate medical attention and special treatment needed

None.

5. fire-fighting measures

5.1 extinguishing media

CO_2, foam, powder, sprayed water.

5.2 special hazards arising from the substance or mixture

None.

5.3 advies voor brandweerlieden

Extinguishing agents to be avoided:	none.

6. accidental release measures

6.1 personal precautions, protective equipment and emergency procedures

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up windRemove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

6.2 environmental precautions

Do not allow to flow into sewers or open water.

6.3 methods and material for containment and cleaning up

Contain released substance, store into suitable containers. If possible remove by using absorbent material.

6.4 reference to other sections

For further information check sections 8 & 13.

7. handling and storage

7.1 precautions for safe handling
Handle with care to avoid spillage.

7.2 conditions for safe storage, including any incompatibilities
Keep in a sealed container in a closed, frost-free, ventilated room.

7.3 specific end use(s)
—

8. exposure controls/ personal protection

8.1 control parameters
Listing of the hazardous ingredients in section 3, of which the TLV value is known.

2-(2-butoxyethoxy)ethanol 67.5 mg/m³

8.2 exposure controls

Inhalation protection	Respiratory protection is not required. Use ABEK type gas masks in case of irritating exposure. If necessary, use with sufficient exhaust ventilation.	
Skin protection	Handling with nitril-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,35 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
Eye protection	Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
Other protection	Impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	

9. physical and chemical properties

9.1 information on basic physical and chemical properties

melting point/melting range
0°C

boiling point/boiling range
100°C – 100°C

pH
12.2

pH 1% diluted in water:
—

vapour pressure, 20°C
2 332 Pa

vapour density
not applicable

relative density, 20°C
1.0140 kg/l

appearance, 20°C
liquid

flash point
—

flammability (solid, gas)
not applicable

auto-ignition temperature
—

upper flammability or explosive limit, (Vol %)
—

lower flammability or explosive limit, (Vol %)
—

explosive properties
not applicable

oxidising properties
not applicable

decomposition temperature
—

solubility in water
completely soluble

partition coefficient: noctanol/water
not applicable

odour
characteristic

odour threshold
not applicable

dynamic viscosity, 20°C
1 mPa.s

kinematic viscosity, 40°C
1 mm²/s

evaporation rate (n-BuAc = 1)
0.300

9.2 other information

volatile organic component (VOS)
—

volatile organic component (VOS)
4.867 g/l

sustained combustion test
—

10. stability and reactivity

10.1 reactivity
Stable under normal conditions.

10.2 chemical stability
Extremely high or low temperatures.

10.3 possibility of hazardous reactions
None.

10.4 conditions to avoid
Protect from sunlight and do not expose to temperatures exceeding + 50°C.

10.5 incompatible materials
Keep away from acids.

10.6 hazardous decomposition products
Doesn't decompose with normal use.

11. toxicological information

11.1 information on toxicological effects

H319 eye irrit. 2:	causes serious eye irritation.
Calculated acute toxicity, ATE oral:	—
Calculated acute toxicity, ATE dermal:	—

Disodium metasilicate	LD50 oral, rat:	1.152 mg/kg
	LD50 dermal, rabbit:	≥ 5,000 mg/kg
	LC50, Inhalation, rat, 4h:	≥ 50 mg/l

12. ecological information

12.1 toxicity

Disodium metasilicate	LC50 (fish):	210 mg/l, 96h, (brachydanio rerio)
	EC50 (daphnia):	1700 mg/l, 48h
	EC50 (algae):	207 mg/l, 72h

12.2 persistence and degradability
The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 bioaccumulative potential
No additional data available.

12.4 mobility in soil

Water hazard class, WGK (AwSV):	1
Solubility in water:	completely soluble.

12.5 results of PBT and vPvB assessment
No additional data available.

12.6 other adverse effects
No additional data available.

13. disposal considerations

13.1 waste treatment methods

The product may be discharged in the indicated percentages of utillization, provided it is neutralised to pH 7. Possible restrictive regulations by local authority should always be adhered to.

14. transport information

14.1 UN number

Not applicable.

14.2 UN proper shipping name

ADR, IMDG, ICAO/IATA not applicable

14.3 transport hazard class(es)

Class(es):	not applicable.
Identification number of the hazard:	not applicable.

14.4 packing group

Not applicable.

14.5 environmental hazards

Not dangerous to the environment.

14.6 special precautions for user

Hazard characteristics:	not applicable.
Additional guidance:	not applicable.

15. regulatory information

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

Water hazard class, WGK (AwSV):	1
Volatile organic component (VOC):	—
Volatile organic component (VOC):	4.867 g/l
Composition by regulation (EC) 648/2004:	nonionic surfactants < 5%, cationic surfactants < 5%.

15.2 chemical safety assessment:

No data available.

16. other information

legend to abbreviations used in the safety data sheet

ADR	The European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging of chemicals
EINECS	European INventory of Existing Commercial chemical Substances
Nr.	number
PTB	persistent, toxic, bioaccumulative
TLV	Threshold Limit Value
UFI	Unique Formula Identifier
vPvB	very persistent and very bioaccumulative substances
WGK	Water hazard class
WGK 1	slightly hazardous for water
WGK 2	hazardous for water
WGK 3	extremely hazardous for water

legend to the H Phrases used in the safety data sheet

H290 met. corr. 1	may be corrosive to metals.
H314 skin corr. 1B	causes severe skin burns and eye damage.
H319 eye irrit. 2	causes serious eye irritation.
H335 STOT SE 3	may cause respiratory irritation.

CLP calculation method

'On basis of test data' for corrosivity, 'Calculation method' for all other classes.

reason of revision, changes of following items

Sections: 9.1, 9.2

MSDS reference number

ECM-107145,12

VESCOM