SAFETY DATA SHEET

DATE OF COMPILATION: 23.08.2016

REVISION: -

VERSION NUMBER: 1.0

Safety data sheet in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Trade name: WC STICKS OCEAN

Designation: Toilet block on the basis of surface-active agents and fragrant components.

Contains: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts.

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses: Product for cleaning and refreshing toilet bowls.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Manufacturer: **"POL-HUN" M. BIELSKA SP. J.**
Address: 11 Listopada 65, 95-040 Koluszki, Poland
Telephone: +48 (44) 725 30 00
E-mail address for a person responsible for the SDS: polhun@polhun.pl

1.4. EMERGENCY TELEPHONE NUMBER

+48 (44) 725 30 19 (LABORATORY „**POL-HUN" M. BIELSKA SP. J.** (available during working days from 7^{OO} a.m. up 20^{OO} p.m.)

SECTION 2 : HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The mixture is classified according to REGULATION (EC) No 1272/2008 as:

Eye Dam. 1 - Eye Damage of category 1 with hazard statement:
H318 Causes serious eye damage.

Skin Irrit. 2 - Skin Irritation of category 2 with hazard statement:
H315 Causes skin irritation.

Aquatic Chronic 3 - Hazardous to the aquatic environment – Chronic Hazard of category 3 with hazard statement:
H412 Harmful to aquatic life with long lasting effects.

2.2. LABEL ELEMENTS

Hazard pictogram:

Signal word: Danger

Hazard statements:

H318 Causes serious eye damage.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P102	**Keep out of reach of children.**
P101	**If medical advice is needed, have product container or label at hand.**
P280	**Wear protective gloves and eye 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.**
P310	**Immediately call a doctor.**
P302+P352	**IF ON SKIN: Wash with plenty of water.**
P501	**Dispose of contents/container to an authorized waste collection point.**

Contains: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts.

Supplemental label elements:
EUH208 Contains: Limonene, alpha-Hexylcinnamaldehyde, 1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one. May produce an allergic reaction.

Detergent labeling according to Detergent Regulation 648/2004/EC:
Constituents: anionic surfactants >30%; non-ionic surfactants <5%; perfumes, Limonene, Hexyl Cinnamal, Buthylphenyl Methylpropional, Citral, Citronellol, Geraniol, Eugenol.

2.3. OTHER HAZARDS

The ingredients of mixture do not meet the criteria for PBT and vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

not applicable.

3.2. MIXTURES

Hazard substances and substances for which there are Community workplace exposure limits:

Substance name	Concentration (% m/m)	Number CAS	Number WE	Number registration	Classification in accordance with Directive

					(WE) nr 1272/2008
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	**30 - 40**	**68411-30-3**	**270-115-0**	**01-2119489428-22-0039**	**Acute Tox. 4; H302** **Eye Dam. 1; H318** **Skin Irrit. 2; H315** **Aquatic Chronic 3; H412**
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	**1-5**	**68955-19-1**	**273-257-1**	**01-2119490225-39-xxxx**	**Skin Irrit. 2, H315** **Eye Dam. 1, H318** **Aquatic Chronic 3; H412**
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl	**1-5**	**90622-77-8**	**292-481-0**	**01-2119489413-33-xxxx**	**Eye Dam. 1; H318** **Skin Irrit. 2, H315** **Aquatic Chronic 2; H411**
Limonene *(ingredient of fragrance)*	**0,15-0,25**	**138-86-3**	**205-341-0**	-	**Flam. Liq. 3; H226** **Asp. Tox. 1; H304** **Skin Irrit. 2; H315** **Skin Sens. 1B; H317** **Aquatic Acute 1; H400** **Aquatic Chronic 1; H410**
alpha-Hexylcinnamaldehyde *(ingredient of fragrance)*	**0,1 - 0,2**	**101-86-0**	**202-983-3**	-	**Skin Sens. 1B; H317** **Aquatic Acute 1; H400** **Aquatic Chronic 2; H411**
1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one *(ingredient of fragrance)*	**0,0025 – 0,0125**	**23696-85-7**	**245-833-2**	-	**Skin Sens. 1A; H317** **Aquatic Chronic 2; H411**
Alpha Cedrene *(ingredient of fragrance)*	**0,0025 – 0,0125**	**469-61-4**	**207-418-4**	-	**Asp. Tox. 1; H304** **Aquatic Acute 1; H400** **Aquatic Chronic 1; H410** **M=10**

Full texts of hazard statements is listed in section 16.

SECTION 4 : FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation:

- not an inhalation hazard under normal conditions of use;

Eye:

- flush with plenty of water for at least 10-15 minutes with the eyelids held wide open, avoid strong

stream of water, which can cause cornea injury;
- do not use any medicines before getting medical attention;
- remove any contact lenses;
- seek medical attention;

Skin:
- remove contaminated clothing;
- flush with plenty of water;
- seek medical advice.

Ingestion:
- rinse mouth with plenty of water;
- do not induce vomiting;
- if vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration);
- seek medical attention.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED
- inhalation – none;
- skin contact - irritation, redness;
- eye contact – serious eye damage, irritation, pain, watering, redness;
- ingestion – irritant to mouth, throat and stomach.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
No data available.

SECTION 5. FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA
Suitable extinguishing media: extinguishing dry chemical powder, foam.
Unsuitable extinguishing media: direct water jet.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
Combustion products: sulphur oxides and carbon oxides.

5.3. ADVICE FOR FIREFIGHTERS
Wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
For non-emergency personnel:
- avoid contact with skin and eyes;
- wear chemical protection gloves and suits;
- wear appropriate goggles.

For emergency responders:
Suitable fabric for personal protective clothing:
- appropriate: gloves - nitrile rubber, neoprene, PVC, according to EN 374; suitability and durability of gloves is dependent on application, frequency, duration of contact, chemical resistance of glove material.
- not appropriate: no data.

6.2. ENVIRONMENTAL PRECAUTIONS
- keep away from drains, surface- and ground-water and soil.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
- clean up spillage promptly;
- collect free product and transfer it to suitable tanks or containers for safe disposal;
- dispose of according to the local regulations.

6.4. REFERENCE TO OTHER SECTIONS

Information regarding safe handling – see section 7.

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

- handle in accordance with good manufacturing practices and personal hygiene;
- avoid contact with skin and eyes;
- wash hands after use;
- wash any exposed skin immediately after any chemical contact;
- do not eat, drink and smoke in work areas;
- remove contaminated clothing and protective equipment before entering eating areas;
- wear protective equipment.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- store in a cool, dry**,** well ventilated area;
- keep containers upright and tightly closed;
- keep away from food, oxidising substances, acids.

7.3. SPECIFIC END USE(S)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

The mixture does not contain substances with national occupational exposure limits.
The mixture does not contain substances with the national occupational exposure limit values that correspond to Union occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Commission Decision 2014/113/EU;

The mixture does not contain substances with the national occupational exposure limit values that correspond to Union limit values in accordance with Directive 2004/37/EC, including any notations as referred to in Article 2(3) of Decision 2014/113/EU;

The mixture does not contain substances with the national biological limit values that correspond to Union biological limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Decision 2014/113/EU;

DNEL (*Derived No Effect Level)* **VALUES** *determined for* **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:**

Exposure time	Population	Route of exposure	Value
Long-term	Workers	dermal	170 mg/kg bw/day
Long-term	Workers	inhalation	12 mg/m^3
Long-term	Consumers	oral	0,85 mg/kg bw/day
Long-term	Consumers	dermal	85 mg/kg bw/day
Long-term	Consumers	inhalation	3 mg/m^3

DNEL (*Derived No Effect Level)* **Worker and Consumer Values** *determined for* **Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**

	Way of exposure	DNEL	
		Workers	Consumers
Long-term systemic exposure	dermal	4,16 mg/kg	2,5 mg/kg
	oral	-	6,25 mg/kg

	inhalative	73,4 mg/m^3	21,73 mg/ m^3

DNEL (*Derived No Effect Level)* **Worker and Consumer Values** *determined for* **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:**

Exposure time	Population	Route of exposure	Value
Long-term	Workers	dermal	4060 mg/kg bw/day
Long-term	Workers	inhalation	285 mg/m^3
Long-term	Consumers	oral	24 mg/kg bw/day
Long-term	Consumers	dermal	2440 mg/kg bw/day
Long-term	Consumers	inhalation	85 mg/m^3

PNEC Values (*Predicted No Effect Concentration*) for **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:**
- aquatic environment – sweet water : 0.268 mg/L;
- aquatic environment – marine water: 0,0268 mg/L;
- soil: 35 mg/kg;
- sediment in sweet water: 8,1 mg/kg dwt;
- sediment in marine water: 6,8 mg/kg dwt.

PNEC Values (*Predicted No Effect Concentration*) *determined for* **Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
- aquatic environment – sweet water: 0.003 mg/L;
- aquatic environment – marine water: 0,0003 mg/L;

PNEC Values (*Predicted No Effect Concentration*) for **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:**
- aquatic environment – sweet water : 0.098 mg/L;
- aquatic environment – marine water: 0,0098 mg/L;
- soil: 0,631 mg/kg;
- sediment in sweet water: 3,45 mg/kg dwt;
- sediment in marine water: 0,345 mg/kg dwt.

8.2. EXPOSURE CONTROLS

Personal protective equipment:

Respiratory protection:
- is not required during normal operations in a workplace.

Eye protection:
- use protective goggles if eye contact might occur.

Skin protection:
- in case of long contact with product use protective gloves (nitrile rubber, neoprene, PVC) according to EN 374.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Physical state	solid
Colour:	navy blue
Odour :	characteristic, ocean
Odour threshold:	not determined
pH :	6 – 10 (20°C, 1% solution)
Melting point/freezing point:	not determined for mixture; 198,5°C for **Benzenesulfonic acid, C10-13- alkyl derivs., sodium salts CAS No [68411-30-3]:**

Initial boiling point and boiling range: not determined
Flash point: not applicable
Evaporation rate: not determined
Flammability (solid, gas): not combustible
Upper/lower flammability or explosive limits: not applicable
Vapour pressure: not determined for mixture; $3*10^{-13}$ Pa (25°C) for **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]**
Vapour density: not determined
Relative density: not determined
Solubility(ies): soluble in water; 250 g/l for **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]**
Partition coefficient: n-octanol/water: not determined for mixture; logKow=3,32 for **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]**
Auto-ignition temperature: not applicable
Decomposition temperature: no data for product; 444 °C for **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]**
Viscosity: not applicable
Explosive properties: not applicable
Oxidising properties: not applicable

9.2. OTHER INFORMATION
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY
The reactivity hazards of mixture has not been tested.

10.2 CHEMICAL STABILITY
Product is stable under recommended conditions of storage.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS
None under normal conditions.

10.4. CONDITIONS TO AVOID
Keep away from humidity, high temperatures; keep away from source of heat and source of fire.

10.5. INCOMPATIBLE MATERIALS
Strong mineral acids.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS
Sulphur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:
The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.
ATE mix =2700 mg/kg. (calculated according point 3.1.3.6.1. Annex I of Regulation CLP 1272/2008).
Acute toxicity of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No[68411-30-3]:**
LD50 (oral): 1080 mg/kg (rat);
LD50 (dermal): >2000 mg/kg (rat).
Acute toxicity of **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:**
LD50 (oral): >2600 mg/kg.
Acute toxicity of **Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
LD50 (oral): > 5000 mg/kg (rat)
LD50 (dermal): > 2000 mg/kg (rat)

Skin corrosion/irritation:
The mixture has not been tested. Based on the available data of the ingredients the mixture is classified as - **Causes skin irritation.**
Irritant effect of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:**
Causes skin irritation. (test OECD 404 , rabbit).
Irritant effect of **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:**

Causes skin irritation.
Irritant effect of **Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
- skin: causes irritation.

Serious eye damage/eye irritation:
The mixture has not been tested. Based on the available data of the ingredients the mixture is classified as - **Causes serious eye damage.**
Irritant effect of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No[68411-30-3]:**
Causes serious eye damage (test OECD 405, rabbit).
Irritant effect of **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No[68955-19-1]:**
Causes serious eye damage.
Irritant effect of **Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
eyes: high eye irritation

Respiratory or skin sensitization:
The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met, but the mixture contains: **Limonene, alpha-Hexylcinnamaldehyde, 1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one**., may produce an allergic reaction.
Skin sensistization of **Limonene CAS No [138-86-3]:**
It causes sensitization, test substance: 22% in ethanol/DEP (75:25), species: mouse.
Skin sensitization of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No[68411-30-3]:**
Not classified (test OECD 406, guinea pig).
Sensitization effect **of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
has no sensitization properties.

Germ cell mutagenicity:
The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.
Mutagenicity effect **of Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:**
Test OECD 471 Bacterial Reverse Mutation test – result: negative.
Test OECD 476 In vitro Mammalian Cell Gene Mutation test – result: negative.
Test OECD 473 In vitro Mammalian Chromosomal Aberration test – result: negative.
Mutagenicity effect **of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:**
No available data.
Mutagenicity effect **of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
has no mutagenicity effect – Ames test result - negative

Carcinogenicity:
The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.
Carcinogenicity of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts No CAS [68411-30-3]:**
No known significant effects or critical hazards.
Carcinogenicity of **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts No CAS [68955-19-1]:**
No available data.
Carcinogenicity of **Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
The classification criteria are not met.

Reproductive toxicity:
The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.
Reproductive toxicity of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:**
Test OECD 416 Two-Generation Reproduction Toxicity Study (rat) – oral: NOAEL: 350 mg/kg bw/day.
Reproductive toxicity of **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:**
No available data.

STOT – single exposure:
The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

STOT – repeated exposure:
The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.
STOT-repeated exposure of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]; Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1];**
No available data.

Aspiration hazard:
Not applicable, the mixture is solid.

Routes of exposure
The mixture has not been tested – no available data.

Symptoms related to the physical, chemical and toxicological characteristics:
inhalation – none;
skin contact - irritation, redness and pain of skin;
eye contact – serious damage to eyes; irritation, pain, watering, redness ;
ingestion – irritant to mouth, throat and stomach, may cause nausea, vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:
No available data.

Interactive effects:
No available data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

The mixture has not been tested. Based on the available data of the ingredients the mixture is classified as - **Harmful to aquatic life with long lasting effects.**
Acute toxicity of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:**
Fish - **LC50: 1-5 mg/L/96h**;
Algae– **IC50: 1-5 mg/L/72h**;
Daphnia – **EC50: 5-15 mg/L/48h.**
Long term study: NOEC (Fish, 28-196 days): 0,23 – 3,2 mg/L
Long term study: NOEC (Algae, 15-28 days): 3,1 – 4,0 mg/L.
Long term study: NOEC (Daphnia, 2-32 days): 0,59 – 4,5mg/L.
Acute toxicity of **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:**
Fish – **LC50: 3-20 mg/L/96 hours**;
Algae– **IC50: 10-100mg/L/72 hours**;
Daphnia – **EC50: 10-50 mg/L/48 hours**.
Long term study: NOEC (Fish, 42 days): < 1,357mg/L
Long term study: NOEC (Algae, 72 hours): < 3,0 mg/L.
Long term study: NOEC (Daphnia, 7 days): <0,419mg/L.
Acute toxicity of **Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:**
Fish - LC50: 10 - 100 mg/l (according to ISO 7346/2 semistatic).
Daphnia - EC50: 10 - 100 mg/l (OECD 202 Test, *Daphnia magna)*.
Algae - EC50: 1 - 10 mg/l (OECD 201/DIN 38412).
Bacteria - EC0: 100 mg/l (OECD 209).

12.2. PERSISTENCE AND DEGRADABILITY

The mixture has not been tested - no available data.
Persistence and degradability of Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:
Biodegradation: >99%, (OECD Screening test 301D and 303A);
Biodegradation: readily biodegradable in the OECD 301B CO_2 Evolution test: 85% biodegradability in 29 days.
Ready Biodegradability:>70% (OECD 301D);
Ready Biodegradability: >60% Oxygen uptake (OECD 301F);
Inherent test: 95-98% (OECD 302 A, B);
Simulation test: 80-95% (OECD 303A).

Persistence and degradability of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No[68955-19-1]:
Biodegradation: 98-100%, (OECD Screening test);
Ready Biodegradability:88-96% (OECD 301-E);
Ready Biodegradability: 63-95% (Closed Bottle Test);
Ready Biodegradability: 64-96% Sturm(OECD 301B).
Persistence and degradability of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl CAS No [90622-77-8]:
>60% BOD/COD

12.3. BIOACCUMULATIVE POTENTIAL
The mixture has not been tested - no available data.
Bioaccumulative potential of **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No [68411-30-3]:**
BCF: 2-1000. It is not bioaccumulative.
Bioaccumulative potential of **Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No[68955-19-1]:**
Not hazardous to environment.

12.4. MOBILITY IN SOIL
The mixture has not been tested - no available data.

12.5. RESULTS OF PBT AND vPvB ASSESSMENT
The mixture has not been tested - no available data.
The components of mixture are not PBT and vPvB.

12.6. OTHER ADVERSE EFFECTS
The mixture has not been tested - no available data.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS
- dispose of according to local regulations;
- avoid disposing into drainage systems and into the environment;
- contaminated packaging dispose in the same way as the product itself.
- non-contaminated packages may be recycled

SECTION 14: TRANSPORT INFORMATION

ADR/RID/ADN/IMDG/IATA:

14.1. UN NUMBER : not applicable.

14.2. UN PROPER SHIPPING NAME: not applicable.

14.3. TRANSPORT HAZARD CLASS(ES): not applicable.

14.4. PACKING GROUP: not applicable.

14.5. ENVIRONMENTAL HAZARDS:
The mixture has not been tested - no available data.

14.6. SPECIAL PRECAUTIONS FOR USER
See sections 6 to 8 of this Safety Data Sheet.

14.7. TRANSOPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE
Not applicable.

SECTION 15: REGULATORY INFORMATION

The mixture is not subject to *Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer, Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC or*

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
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.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Council Directive 98/24/EC of 7 April 1998 on the protection of the health an ad safety of workers from the risks related to chemical agents at work.
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.
Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission directive 2000/39/EC.
Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

15.2. CHEMICAL SAFETY ASSESSMENT

The chemical safety assessment has not been carried out for the mixture.

SECTION 16: OTHER INFORMATION

The classification of the mixture is based on:
- the category “acute toxicity” – an additive method;
- the category “skin corrosion/irritation” – an additive method;
- the category “serious eye damage/eye irritation” - an additive method;
- the category “respiratory or skin sensitization” – contents of sensitizing ingredients;
- the category “mutagenicity”- contents of classified ingredients;
- the category “carcinogenicity” – contents of classified ingredients;
- the category “reproductive toxicity” contents of classified ingredients;
- the category “STOT repeated exposure” contents of classified ingredients;
- the category “STOT single exposure” contents of classified ingredients;
- the category “aspiration hazard” – an additive method;
- the category “ecotoxicological properties” – an additive method.

Abbreviations and acronyms used in the safety data sheet:

PBT – *Persistent, Bioaccumulative, Toxic;*
vPvB – *Very Persistent and very Bioaccumulative;*
LD50 – *Lethal Dose, 50%;*
LC50 – *Lethal Concentration 50%;*
EC50 - *half maximal effective concentration;*
IC50 - *half maximal inhibitory concentration;*
OECD – *Organization for Economic Cooperation and Development;*
NOEC – *No Observed Effect Concentration;*
BCF - bioconcentration factor;
ATE – *Acute Toxicity Estimate*
ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID – Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).
ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
IMDG – International Maritime Dangerous Goods Code.
IATA – International Air Transport Association.

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List of relevant hazard statements, safety phrases or precautionary statements which are not written out in full under Sections 2 to 15:

Flam. Liq. 3	Flammable liquid of category 3.
Acute Tox. 4	Acute toxicity of category 4.
Eye Dam. 1	Eye Damage of category 1.
Skin Irrit. 2	Skin Irritation of category 2.
Skin Sens. 1 B	Skin Sensitization of category 1B.
Skin Sens. 1 A	Skin Sensitization of category 1A.
Asp. Tox. 1	Aspiration hazard of category 1.
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard of category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard of category 1.
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard of category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard of category 3.

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters air ways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. This document is neither a quality description of the product nor a guarantee of particular properties. The information are to be treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change.