

MATERIAL SAFETY DATA SHEET

in accordance with COMMISSION REGULATION (EU) No 453/2010
of 20 May 2010,
amending Regulation (EC) No 1907/2006 of the European Parliament and
of the Council on the Registration, Evaluation, Authorisation and Restriction of
Chemicals (REACH)

Date of issue : 14 September 2011
Date of last review : 28 February 2013
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Product name : **SPLENDID – WC liquid block Lagoon**

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

- 1.1. Product identifier :
SPLENDID – WC liquid block Lagoon
- 1.2. Relevant identified use of the substance of mixture and uses advised against :
Liquid WC block designed for cleaning toilets
- 1.3. Details of the supplier of the safety data sheet :

Company name:	TOMIL s.r.o.
Place of business or registered office:	gen.Svatoně 149/IV, 566 01 Vysoké Mýto, Czech republic
Telephone number:	00420 465 503 230
Fax number:	00420 465 503 211
E-mail:	info@tomil.cz
Website:	www.tomil.cz
Contact person:	Pavel Beran

- 1.4. Emergency telephone number :
- 00420 2 24919293
Toxicological Information Centre
128 02 Praha 2, Na bojišti 1, Czech Republic

SECTION 2 : Hazards identification

- 2.1. Classification of the substance or mixture :

Classification of the mixture in accordance with Directive 1999/45/EC:

irritant
R 38: Irritating to skin.
R 41: Risk of serious damage to eyes.

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dangerous for the environment

R 52/53 : Harmful to aquatic organisms, may cause long-term adverse effects
in aquatic environment.

2.2. Label elements :

R-phrases : R 38 – Irritating to skin.
R 41 – Risk of serious damage to eyes.
R 52/53 – Harmful to aquatic organisms, may cause
long-term adverse effects in aquatic environment.



Irritant

S-phrases : S 2 – Keep out of the reach children.
S 26 – In case of contact of eyes, rinse immediately with
plenty of water and seek medical advice.
S 46 – If swallowed, seek medical advice immediately and show this
container or label.
S 39 – Wear eye/face protection.
S 24/25 – Avoid contact with skin and eyes.

Contains hexyl cinnamal and limonene. May produce an allergic reaction.

2.3. Other hazards :

The product does not meet the criteria for ranking among PBT or vPvB substances

SECTION 3 : Composition/information on ingredients

3.1. Substances :

Not applicable, the product is a mixture.

3.2. Mixtures :

A slightly viscous liquid preparation on the basis of 15 - 30 % anionactive tensides,
< 5 % amphoteric and non-ionic tensides with added perfume.

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The product contains the following hazardous substances:

Substance name	Substance concentration	CAS number	EC number	Registration number	Classification according to 67/548/EEC	Classification according to regulation (EC) no.1272/2008
alkyl ethoxysulfate, sodium salt	18 – 22 %	68891-38-3	500-234-8	01-2119488639-16-	Xi R 38-41	Skin Irrit. 2 H315 Eye Dam. 1 H318
perfume*	6%	-	-	-	- R 43 - R 10 N R 51/53	Skin Sens. 1 H317 Flam. Liq. 3 H226 Aquatic Chronic 2 H411
cocamidopropyl betaine	< 5 %	97862-59-4	931-296-8	01-2119488533-30-	Xi R 41	Eye Dam. 1 H318
primary alcohol ethoxylates	< 1 %	68439-50-9	polymer	- (polymer)	Xn R 22 Xi R 41	Acute Tox. 4 H302 Eye Dam. 1 H318
citric acid monohydrate	< 0.3 %	5949-29-1	201-069-1		Xi R 36	Eye Irrit. 2 H319
benzisothiazolinone	< 0.05 %	2634-33-5	220-120-9		Xi R 38-41 Xn R 22 N R 50 - R 43	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Acute 1 H400

* The perfume is a mixture of chemical substances, therefore CAS No., EC No. or registration number do not relate to it. The classification of the perfume as of the mixture was carried out in accordance with Directive 1999/45/EC.

No substance contained in the perfume, which is classified as sensitising substance with attributed phrase R 43, is not contained in the product in the volume of $\geq 1\%$. It means that the product **SPLENDID – WC liquid block Lagoon** is not classified as sensitising substance with attributed phrase R 43.

Note: The full version of the R phrases and standard phrases about safety (so-called H-phrases) is stated in section 16.

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SECTION 4 : First aid measures

4.1. Description of first aid measures :

If any health problems occur, or in the event of any doubt or an accident, seek medical attention and provide the doctor with information from the Safety Data Sheet. Always ensure the affected person peace of mind and ensure his/her warmth.

If the affected person is unconscious, lay him/her down and transport him/her to a doctor in a stabilised position.

If the affected person is not breathing, immediately commence artificial resuscitation.

If the heart has stopped, indirect heart massage must be commenced immediately.

4.1.1. *When inhaled :*

Take the affected person into the fresh air and ensure mental and physical calm. Do not allow him/her to become cold. If irritation persists, seek medical attention.

4.1.2. *On contact with the skin :*

Immediately remove all contaminated clothing. Rinse the affected areas of the skin under running lukewarm water for at least 15 minutes. If the skin is not injured, it is advisable to use soap or soapy water. If irritation persists, seek medical attention.

4.1.3. *On contact with the eyes :*

If the affected person has contact lenses, remove these immediately. Then immediately begin to rinse the eyes with the lids open from the inner corner towards the outer with running drinking water for at least 15 minutes. Seek medical attention.

4.1.4. *On ingestion :*

Immediately rinse the affected person's mouth out with drinking water and then provide him/her with 2 – 5 dl of cool water to drink. Seek medical attention.

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

Irritant on contact with the skin and contact with the eyes.

If ingested, may cause vomiting and diarrhoea.

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

Not specified.

SECTION 5 : Firefighting measures

5.1. Extinguishing media :

Suitable extinguishing media: the preparation is non-flammable, extinguishing is adapted to the character of the fire

Unsuitable extinguishing media: determined according to the surrounding environment

5.2. Special hazards arising from the substance or mixture :

The preparation is non-flammable, negligible risk of fire.

5.3. Advice for firefighters :

Do not enter the area of the fire without the appropriate protective clothing and independent breathing apparatus.

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures :

Avoid direct contact with the skin and eyes. Use appropriate personal protective equipment. Ventilate enclosed spaces. In the event of a larger accident, clearly mark the escape point and isolate it. Keep unauthorised persons out of the affected area. Inform the local emergency centre (police, fire brigade) of the accident.

6.2. Environmental precautions :

Prevent the product from entering the surface and ground waters (other than designated method of use).

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6.3. Methods and material for containment and cleaning up :

Cover the preparation with an appropriate absorbing material (sand, infusorial earth, soil and other suitable absorptive materials etc.), collect in well-sealed containers and dispose of as hazardous waste. Dispose of the collected material in accordance with the locally applicable regulations.

In the event of a large leakage of the preparation, inform the fire brigade. In the event of leakage into the sewer system, inform the water and sewage authority.

6.4. Reference to other sections :

Other: see sections 8 and 13

SECTION 7 : Handling and storage

7.1. Precautions for safe handling :

Adhere to the instructions according to the instructions for use. Do not eat, drink or smoke while working and adhere to personal hygiene rules. Avoid direct contact with the eyes and skin, use appropriate personal protection equipment.

7.2. Conditions for safe storage, including incompatibilities :

Store in the original packaging, in well-ventilated rooms, at a temperature of 5 – 35°C. Store out of reach of foodstuffs, drinks and feed.

7.3. Specific end use(s) :

No information on specific end-uses.

SECTION 8 : Exposure controls/personal protection

8.1. Control parameters :

The preparation does not contain substances, for which the following maximum permissible limits in the work environment are set (NPK-P):

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Substance name	Substance concentration (%)	CAS number	Permissible exposure limit (PEL)	Maximum permissible concentration (NPK-P)

Recommended method of measuring substances in the air: gas chromatography.

Recommended methods of monitoring exposure of persons: not determined.

8.2. Exposure controls :

8.2.1. Appropriate engineering controls :

Ensure a good ventilation of the workplace. In the event of insufficient ventilation/air-conditioning, use local air exhaust.

8.2.2. Individual protection measures, such as personal protective equipment :

Do not eat, drink or smoke while working. After work, wash your hands with hot water and soap and treat with an appropriate skin repair cream.

a) *Protection of the eyes and face* :

Tight-fitting protective goggles/Protective facial mask.

b) *Protection of the airways* :

Not required.

c) *Protection of the hands* :

Protective gloves (preferred material – PE rubber).

d) *Protection of the skin* :

Protective clothing and footwear. Contaminated items of clothing must be washed before being used again.

8.2.3. Environmental exposure controls:

Not necessary if the instructions for use are followed.

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SECTION 9 : Physical and chemical properties

9.1. Information on basic physical and chemical properties :

- appearance: slightly viscous blue liquid
- odour: typical for the preparation, fresh
- odour threshold: subjective
- pH: 4.5 – 5.5
- melting/freezing point: not determined for the preparation
- initial boiling point and boiling range: not determined for the preparation
- flash point: not determined for the preparation
- evaporation rate: not determined for the preparation
- flammability: not determined for the preparation, components are not flammable
- upper/lower flammability or explosive limits: not determined for the preparation
- vapour pressure: not determined for the preparation
- vapour density: not determined for the preparation
- relative density: 1.0 – 1.1 g/cm³
- solubility(ies): unlimited in water
- partition coefficient: n-octanol/water: not determined for the preparation
- auto-ignition temperature: not determined for the preparation
- decomposition temperature: not determined for the preparation
- viscosity: not determined for the preparation
- explosive properties: not determined for the preparation, components are not explosive
- oxidising properties: not determined for the preparation, components are not oxidising

9.2. Other information :

Not available.

SECTION 10 : Stability and reactivity

10.1. Reactivity :

Not determined for the preparation.

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10.2. Chemical stability :

The product is stable when stored and handled in the prescribed manner.

10.3. Possibility of hazardous reactions :

Unknown.

10.4. Conditions to avoid :

The product is stable when stored and handled in the prescribed manner.

10.5. Incompatible materials :

No materials are known with which the preparation could react to produce a hazardous situation.

10.6. Hazardous decomposition products :

No hazardous products are known during decomposition.

SECTION 11 : Toxicological information

11.1. Information on toxicological effects :

Acute toxicity of the preparation :

No toxicological data is available for the product.

Irritation :

The preparation irritates the skin. Could cause serious damage to the eyes.

Corrosivity :

Not determined for the preparation, components in the preparation are not classified as corrosive.

Sensitisation :

The amount of components contained is below the limit for classification of the product. Contains hexyl cinnamal and limonene. May produce an allergic reaction.

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Repeat dose toxicity :

No toxicological data is available for the product.

Carcinogenicity :

Not determined for the preparation, components in the preparation are not classified as carcinogenic.

Mutagenicity :

Not determined for the preparation, components in the preparation are not classified as mutagenic.

Toxicity for reproduction :

Not determined for the preparation, components in the preparation are not classified as toxic for reproduction.

SECTION 12 : Ecological information

12.1. Toxicity :

No data available for the preparation.

12.2. Persistence and degradability :

No data available for the preparation.

The tensides contained in the preparation meet the requirements of EU Regulation no. 648/2004 as amended on final biodegradability.

12.3. Bioaccumulative potential :

No data available for the preparation.

12.4. Mobility in soil :

No data available for the preparation.

12.5. Results of PBT and vPvB assessment :

The preparation does not meet the criteria for inclusion, the substances contained are not PBT and vPvB substances.

12.6. Other adverse effects :

No threat to the environment can be expected if the instructions for use are followed.

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SECTION 13 : Disposal considerations

13.1. Waste treatment methods :

Procedure is to be followed according to the Act on Waste and its implementing regulations on disposal of waste.

13.1.1. Appropriate methods of disposing of the mixture :

Small amounts of the mixture can be disposed of by diluting it with a large amount of water to until it is under the limit value of the concentration as stipulated for surface water.

Hand over larger amounts of the mixture for disposal to an authorised organisation.

13.1.2. Appropriate methods of disposing of the used packaging :

Thoroughly rinse the package with water and dispose of it in terms of sorted waste.

Ranking of waste pursuant to Decree no. 381/2001 Coll. Ministry of the Environment:

- a) waste type code: 150102
waste type name: plastic packaging
waste category: O
according to Annex I and II to the Basel Convention
- b) waste type code: 150101
waste type name: paper packaging
waste category: O
according to Annex I and II to the Basel Convention

SECTION 14 : Transport information

The preparation is not hazardous goods in terms of the international and national regulations on transportation.

14.1. UN number : not applicable.

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- 14.2. UN proper shipping name : not hazardous goods in terms of transport regulations
- 14.3. Transport hazard class(es) : not applicable
- 14.4. Packing group : not applicable
- 14.5. Environmental hazards : no
- 14.6. Special precautions for user : not applicable
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code :
not applicable

SECTION 15 : Regulatory information

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

Regulation (EC) of the European Parliament and of the Council no.1907/2006, as amended

Regulation (EC) of the European Parliament and of the Council no.1272/2008, as amended

Directive 67/548/EEC

Directive 1999/45/EC

Regulation (EC) of the European Parliament and of the Council no. 648/2004, as amended

15.1.1. National legal regulations CZ :

Act no. 350/2011 Coll., on chemical substances and preparations, as amended

Decree of the Ministry of Industry and Trade no. 402/2011 Coll. as amended

Act no. 22/1997 Coll., on technical requirements for products as amended by Act no. 71/2000 Coll.

Act no. 20/1966 Coll., on public healthcare, as amended.

Act no. 185/2001 Coll. on waste as amended

Act no. 477/2001 Coll. on packaging as amended

Decree of the Government of the Czech Republic no. 361/2007, as amended

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15.2. Chemical safety assessment :

No chemical danger was assessed for the mixture.

SECTION 16 : Other information

Full wording of R-phrases given in subsection 3.2:

R 38: Irritating to skin
R 41: Risk of serious damage to eyes
R 50: Very toxic to aquatic organisms
R 43: May cause sensitization by skin contact
R 36: Irritating to eyes
R 22: Harmful if swallowed
R 10: Flammable.
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in
aquatic environment

Full wording of H-phrases given in subsection 3.2. :

H 302: Harmful if swallowed.
H 315: Causes skin irritation.
H 317: May cause an allergic reaction.
H 318: Causes serious eye damage.
H 319: Causes serious eye irritation.
H 400: Very toxic to aquatic life.
H 411: Toxic to aquatic life with long lasting effects.
H 226: Flammable liquid and vapour.

*Labelling of the mixture according to Regulation (EC) of the European Parliament
and of the Council no. 648/2004 on detergents as amended :*

15 – 30 % anionic surfactants, < 5 % amphoteric and non-ionic surfactants.
Contains parfum (hexyl cinnamal, benzyl alcohol, limonene, citronellol, benzyl
salicylate) and preservative (benzisothiazolinone).

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Instructions for training :

Workers who come into contact with hazardous chemical substances and preparations (mixtures), must be familiarised to the necessary extent with the effects of these substances and mixtures, with the methods of how to handle them, with protective measures, with the principles of first aid, with the necessary assistance procedures and with the procedures during handling of accidents and emergencies.

Recommended limitation of use :

The mixture should not be used for any other purpose than that for which it is designated (subsection 1.2.)

Further information important from the point of view of health and safety :

People with allergic anamneses should not work with this preparation.

Source of the most important data for compilation of the Safety Data Sheet :

Safety Data Sheets for substances and mixtures used.

Reason of revision: change of the section 3

Declaration:

The Safety Data Sheet contains information required to ensure the health and safety at work and also environmental protection. Data stated corresponds to the current state of knowledge and experience and is in line with the valid legal regulations. It cannot be regarded as a guarantee of the suitability and usability of the product for a specific application.