



SAFETY DATA SHEET UPDATE DATE 01.12.2020

(according to: Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 (REACH))

COCKPIT CLEANER

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

1.1 Product identifier

COCKPIT CLEANER

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: A ready-to-use preparation for cleaning internal plastic surfaces in cars.

SU 21 For consumers.

SU 22 Professional use.

PC35 Washing and cleaning agents (including solvent based products)

Uses advised against: Do not use on surfaces that are not resistant to water.

1.3 Details of the supplier of the safety data sheet

CSG Cleaning Solutions Sp. z o.o.

AL. Armii Krajowej 178

PL 43-300 Bielsko-Biała

Tel: 33 47 11 174

www.laav.eu

1.4 Emergency telephone number

Emergency telephone number in Poland (open from 8:00 a.m. to 4:00 p.m.): +48 608 47 47 45

112 (general emergency telephone), 998 (fire department), 999 (emergency ambulance service)

2 SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture.

Classification according to Regulation (EC) no 1272/2008

Hazards resulting from the physicochemical properties:

The mixture is not classified as hazardous under its physical and chemical properties..

Health hazards

The mixture is not classified as hazardous for health

Environmental hazards:

The mixture is not classified as hazardous to the environment

2.2 Label elements

Pictogram

Not applicable

Signal word:

Not applicable

Expressions concerning the type of hazard

Not applicable

Prevention:

P102 Keep out of the reach of children.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention

Additional labeling elements

EUH210 Safety data sheet available on request

Composition according to regulation 648/2004/EC

Contains: <5% non-ionic surfactants, polypropylene glycol, fragrances (Cital), preservatives (2-BROMO-2-NITROPROPANE-1,3-DIOL; OCTYLISOTHIAZOLINONE), dye

2.3 Other hazards

The mixture does not contain 'Substances of Very High Concern (SVHC) contained in the list published by the European Chemicals Agency (ECHA) in accordance with Art. 57 of the REACH regulation: <http://echa.europa.eu/pl/candidate-list-table>; Components do not meet the PBT or vPvB criteria according to Annex XIII of Regulation (EC) No 1907/2006

PBT (Substance) Persistent, bioaccumulative and toxic

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vPvB(Substance) Very persistent and very bioaccumulative

3 SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS3.1 **Substance:**
Not applicable3.2 **Mixtures**

Identification numbers	Chemical name	mass fraction in%	Classification according to Regulation (EC) No. 1272/2008		
			Pictogram, signal word codes	Hazard class and category codes	Codes for hazard statements
CAS: 107-98-2 WE (EINECS): 203-539-1 Index number: 603-064-00-3 Registration number: 01-2119457435-35-xxxx	Propylene glycol monomethyl ether [1,2]	<2	GHS02 GHS07 Wng	Flam. Liq. 3 STOT SE 3	H226 H336
Numer CAS: 52-51-7 WE (EINECS): 200-143-0 Index number: 603-085-00-8 Registration number:	2-bromo-2-nitropropane-1,3-diol	<0.012	GHS07 GHS05 GHS09 Dgr	Acute Tox. 4 Acute Tox. 4 STOT SE 3 Skin Irrit. 2 Eye Dam. 1 Aquatic Acute 1 M=10	H312 H302 H335 H315 H318 H400
CAS: 26530-20-1 WE (EINECS): 247-761-7 Index number: 613-112-00-5 Registration number:	2-octylisothiazol-3 (2H) -on	<0.0002	GHS07 GHS05 GHS09 Wng	Acute Tox. 3 Acute Tox. 3 Acute Tox. 4 Skin Corr. 1B Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1 M=1 Aquatic Chronic 1 M=1=10 <u>Specific maximum concentration:</u> Skin Sens. 1; H317: C≥0,05 % M=100 M(Chronic)=100 <u>Inhalation</u> ATE = 0.27 mg/L (pyl/mgly) <u>Skin</u> ATE = 311 mg/kg (-) <u>Orally</u> ATE = 125 mg/kg (-)	H311 H331 H302 H314 H318 H317 H400 H410 EUH071

[1] Contains substance with nationally determined workplace exposure limits. See section 8

[2] Contains substance with EU workplace exposure limit. See section 8

The full text of the H-phrases is given in section 16 of the Safety Data Sheet.

4 SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation: Take the injured persons out of the place of exposure, place them in a n a half-lying and comfortable position or sitting position, keep them calm, protect against heat loss. Control the breathing of the injured persons - if necessary (no breathing), apply artificial respiration and seek medical attention.

Skin contact: Take off contaminated clothing and rinse skin abundantly with lukewarm, running water.



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Eye contact: Rinse with plenty of cool water, preferably running water, for at least 15 minutes. Remove contact lenses. Avoid strong stream of water because of the risk of mechanical damage to the cornea. If irritation persists, consult an ophthalmologist.

Digestive tract: Provide medical attention. Do NOT induce vomiting without consulting your doctor. Rinse mouth with plenty of water. Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Exposure symptoms/effects: Not considered hazardous under normal conditions of use.

Skin contact: Long-term exposure may cause redness and dryness

Allergies

It is always possible an allergy to one or more ingredients of the product. A low irritation declaration does not mean that susceptible individuals will not respond adversely. Natural substances are especially sensitive to seasonal and other changes that can contribute to unforeseen reactions. Unfortunately, often the only remedy in these situations is to establish the exact cause of the reaction (usually with professional medical help) and then avoid any future exposure.

Eye contact: Slight redness and sting.

After swallowing: Possible nausea, abdominal pain, vomiting.

After inhalation: Inhalation of vapors may cause headache, dizziness, nausea and vomiting

4.3 Indication of any immediate medical attention and special treatment needed

The decision on how to proceed with the rescue is made by the doctor after a thorough assessment of the injured person's condition

5 SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Non-flammable product

Suitable extinguishing media:

Foam, carbon dioxide, extinguishing powders, water - dispersed currents.

Inappropriate extinguishing media:

Strong, compact stream of water - risk of fire spreading.

5.2 Special hazards arising from the substance or mixture

Toxic combustion products may form during combustion, incl. carbon oxides and other unidentified products of thermal decomposition.

5.3 Advice for firefighters

Use general protection measures, typical in case of fire. Do not stay in the fire-endangered area without appropriate chemical-resistant clothing and self-contained breathing apparatus. Do not allow the extinguishing water to enter the sewage system, surface water and groundwater.

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Limit the access of unauthorized people to the endangered area until appropriate cleaning operations are completed. In case of large spills, isolate the endangered area. Do not inhale vapors. Avoid contact with skin and eyes. Use personal protection measures. Provide adequate ventilation.

For emergency personnel:

Make sure that the failure and its effects are removed only by trained personnel. Use personal protection measures. Remove sources of ignition.

6.2 Environmental precautions

In the event of release of larger amounts of the product, you should prevent its spreading into the environment. Notify the appropriate emergency services



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6.3 Methods and material for containment and cleaning up

Small spill: Collect with a mop, paper towel and place in waste containers

Large spill: Collect the product with liquid-absorbing materials (e.g. sand, earth, universal binders, silica, etc.) and place in waste containers. Do not mix with other waste. Treat the collected material as waste. Clean and ventilate the contaminated place well.

6.4 Reference to other sections

See section 8 for information on appropriate personal protective equipment. Waste treatment: see section 13.

7. SECTION 7: Handling and storage

7.1 Precautions for safe handling

Work in accordance with the safety and hygiene rules. Avoid eyes and skin contamination. Keep unused containers tightly closed. Use as intended. Provide adequate ventilation of rooms where the product is stored and used. Do not inhale vapors of the product. Do not smoke tobacco

7.2 Conditions for safe storage, including any incompatibilities

Store only in a cool and well-ventilated place. In the temperature range: 0 to 40 ° C (Do not store together with food, foodstuffs and animal feeding stuffs. Avoid direct sunlight, sources of heat and ignition. Do not store together with incompatible substances (see section 10). Packages that have already been opened, seal and store upright to avoid leakage.

7.3 Specific end use(s)

See section 1.2 of the SDS.

No information on other uses.

8 SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Poland:

PL 1-Methoxypropan-2-ol/Propylene glycol monomethyl ether [107-98-2]	
NDS	180 mg/m ³
NDSCh	360 mg/m ³

Legal basis:

Regulation of the Minister of Family, Labor and Social Policy of 12 June 2018 on the maximum allowable concentrations and intensities of factors harmful to health in the work environment, Journal of Laws 2018.1286 of 2018.07.03, **as amended** [Journal of Laws 2020.61, of January 17, 2020]

Regulation of the Minister of Health of February 2, 2011 on tests and measurements of factors harmful to health in the work environment (Journal of Laws No. 33, item 166, 2011).

Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to the presence of chemical agents in the workplace (Journal of Laws No. 11, item 86, 2005).

European Union

UE 1-Methoxypropan-2-ol/Propylene glycol monomethyl ether [107-98-2]			
TWA (8h)		STEL (15 minut)	
mg/m ³	ppm	mg/m ³	ppm
375	100	568	150

Legal basis

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 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 (Sixth individual Directive within the meaning of Article 16(1) of Council Directive 89/391/EEC)

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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 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 (Sixth individual Directive within the meaning of Article 16(1) of Council Directive 89/391/EEC) 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. COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Values and DNEL and PNEC:

52-51-7 bronopol (INN)	
DNEL Workers	
Long-term systemic effects, inhalation	4.1 mg/m ³
Acute effects systemic effects, inhalation	12.3 mg/m ³
Long-term local effects, inhalation	4.2 mg/m ³
Acute/short-term local effects inhalation	4.2 mg/m ³
Long-term systemic effects, skin	2,3 mg/kg bw/day
Acute systemic effects, skin	7 mg/kg 7 mg/kg
Long-term local effects, skin	13 µg/cm ²
Acute/short term local effects, skin	13 µg/cm ²
DNEL Consumers	
Long-term systemic effects, skin ,	1.4 m kg bw/day
Acute systemic effects, skin	_____
Long-term local effects, skin ,	8 µg/cm ²
Acute/short term local effects, skin ,	8 µg/cm ²
Long-term systemic effects, orally ,	350 µg/kg bw/day
Acute effects, systemic effects, orally	1.1 mg/kg bw/day
PNEC	
Fresh water	10 µg/L
Intermittent discharge (Fresh water)	2,5 µg/L
Marine water	800 ng/L
Sewage treatment plant (STP)	430 µg/L
Sediment (Fresh water)	41 µg/kg
Sediment (marine water)	3,28 µg/kg
Soil 500 µg/kg	gleba
[26530-20-1] 2- octylisothiazole -3(2H)- on [ECHA]	
PNEC	
Fresh water	2,2 µg/l
Intermittent discharge (fresh water)	1,22 µg/l
Marine water	220 ng/l
Intermittent discharge (marine water)	122 ng/l
Sewage treatment plant (STP)	No hazards identified
Sediment (fresh water)	47,5 µg/kg
Sediment (marine water)	4,75 µg/kg
Soil 8.2	µg/kg
Propylene glycol monomethyl ether 107-98-2	
DNEL Workersy	
Inhalation, acute systemic effects	553,5 mg/m ³
Inhalation, acute exposure, local effects	553,5 mg/m ³
Skin long-term exposure, systemic effects	183 mg/kg mc/dzień

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Inhalation, long-term exposure, systemic effects	369 mg/m ³
DNEL Consumers	
Skin long-term exposure, systemic effects	78 mg/kg mc/dzień
Inhalation, long-term exposure, systemic effects	43,9 mg/m ³
Swallowing, long-term exposure systemic effects	33 mg/kg mc/dzień
PNEC	
Fresh water	10 mg/l (AF = 100)
Marine water	1 mg/l (AF = 1000)
Intermittent discharge (STP)	100 mg/l (AF = 10)
Sediment (fresh water)	52,3 mg/kg
Sediment (marine water)	5,2 mg/kg
Soil	4,59 mg/kg

Recommended monitoring procedures

Procedures for monitoring concentrations of hazardous components in the air and procedures for monitoring air purity in the workplace should be applied - if available and justified at a given position - in accordance with the relevant Polish or European Standards, taking into account the conditions at the site of exposure, and appropriate measurement methodology adapted to the conditions work. The mode, type and frequency of tests and measurements should meet the requirements of the Regulation of the Minister of Health of February 2, 2011 (Journal of Laws 2011 No. 33, item 166).

8.2 Exposure controls**8.2.1 Appropriate technical controls**

Necessary local and general ventilation. Use respiratory protection in case of poor ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Observe the general rules of safety and hygiene. During work you must not eat, drink or smoke. Provide adequate ventilation. Wash hands thoroughly before breaks and after work. Avoid eye contamination.

Respiratory tract protection:

It is not required if proper ventilation. In case of high concentration of vapors, failure or exceeding the maximum allowable concentrations, use appropriate respiratory protection equipment with an appropriate organic vapor absorber

Hand protection:

It is not required. Use chemical-resistant protective gloves in case of long lasting and direct contact with the product. Recommended glove material: butyl rubber, nitrile rubber, neoprene.

In the case of short-term contact, use protective gloves with the effectiveness level 2 or higher (breakthrough time > 30 minutes). In case of long-term contact, use protective gloves with the effectiveness level 6 (breakthrough time > 480 minutes). Use protective clothing.

The glove material has to be impermeable and resistant to the product. The resistance of the glove material has to be checked prior to use. The breakthrough time of the substance is included in the instruction for use prepared by the manufacturer of the protective gloves and has to be observed. It is recommended to change gloves regularly and replace them immediately if there are any signs of wear, damage (tears, holes) or changes in appearance (color, elasticity, shape).

Skin and body protection:

Recommended use of typical work clothes applicable at a given workplace

Eye protection:

It is not required. It is recommended to use safety glasses in case of any danger.

8.2.3 Environmental exposure controls

Protection against entering into the municipal water and sewage system and water courses. Possible emissions from ventilation systems and technological equipment should be checked in order to determine their compliance with the requirements of environmental protection law.



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9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Light green
Odour:	No data
Odour treshhold:	No data
pH:	7,0
Melting/freezing point:	<0°C
Initial boiling point	< 70 °C
Flash point:	Product is non-flammable
Evaporation rate:	No data
Flammability of solids, gases:	Not applicable
Upper/lower flammability/explosive limit	Not determined
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	about 0.95 g/cm ³
Solubility:	Dissolves in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not determined
Decomposition temperature:	No data
Viscosity 240C:	Not determined
Explosive properties:	Does not create the possibility of spontaneous explosion
Oxidizing properties:	The mixture has no oxidizing properties

9.2 Other information

No additional test results.

10 SECTION 10: Stability and reactivity

10.1 Reactivity

The conditions of storage and handling as intended - no reactivity.

10.2 Chemical stability

The product is chemically stable when properly stored and used (from 0 to 40 degrees Celsius, without long-term exposure to sunlight).

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur in normal conditions of storage and use

10.4 Conditions to avoid

High temperatures, open flames and other ignition sources

10.5 Incompatible materials

Strong acids, oxidizing substances

10.6 Hazardous decomposition products

Depending on the conditions of decomposition, it can release complex mixtures of chemicals: carbon dioxide (CO₂), carbon monoxide and other organic compounds. See section 5 for more information.

11 SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Additional information:



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Toxicological tests have not been carried out for this product. It has been classified according to the applicable rules for the classification of chemical mixtures. The assessment was made on the basis of the ingredients included in the product. The mixture is not classified as hazardous to health. See section 2 Hazard identification

Toxicity of components of the mixture

Bronopol:

LD50 orally (rat) 305 mg/kg, Directive on tests 401

LD50 skin (rat) > 2.000 mg/kg

2-octyl-2H-isothiazol-3-one:

LD50 orally (rat) 760 mg/kg

LC50 respiratory tract (rat): 1,25 mg/l, 4 h, dust/mist

LD50 skin (rabbit): 690 mg/kg

Propylene glycol monomethyl ether

LD50 skin (rabbit): > 2.000 mg/kg

LC50 respiratory tract (rat): >25.8 mg/l, 6 h.

Toxicity of the mixture

Estimated acute toxicity of the mixture

ATE MIX orally (mg/kg): >2.000,0 [Estimated value]

ATE MIX skin (mg/kg): >2.000,0 [Estimated value]

ATE MIX inhalation (mg/l/4h): >20 [Estimated value]

Based on available data, the classification criteria are not met

The acute toxicity of the mixture (ATEmix) was calculated based on the appropriate conversion factor in Table 3.1.2. of Annex I to the CLP Regulation as amended.

Acute toxicity

Based on the available data, the classification criteria are not met

Corrosive/irritating effect on the skin:

Based on the available data, the classification criteria are not met

Serious eye damage/eye irritation

Based on the available data, the classification criteria are not met

Respiratory or skin

Based on the available data, the classification criteria are not met

Specific target organ toxicity - single exposure:

Based on the available data, the classification criteria are not met

Specific target organ toxicity - repeated exposure:

Based on the available data, the classification criteria are not met

Carcinogenicity

Based on the available data, the classification criteria are not met

Mutagenic effect on reproductive cells:

Based on the available data, the classification criteria are not met

Harmful for reproductiveness:

Based on the available data, the classification criteria are not met

Aspiration hazard:

W Based on the available data, the classification criteria are not met

Information on likely routes of hazard

Skin contact: Long lasting exposure may cause redness, dryness.

Allergies

It is always possible an allergy to one or more ingredients of the product. A low irritation declaration does not mean that susceptible individuals will not respond adversely. Natural substances are especially sensitive to seasonal and other changes that can contribute to unforeseen reactions. Unfortunately, often the only remedy in these situations is to establish the exact cause of the reaction (usually with professional medical help) and then avoid any future exposure.

Eye contact: Light redness and sting.

After swallowing: Possible nausea, abdominal pain, vomiting.



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After inhalation: Inhalation of vapors may cause headache, dizziness, nausea and vomiting.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of the mixture

The product is not classified as hazardous to the environment.

To minimize long-term global pollution, you should consider:

- Reduction of the consumption of disposable products and packaging.
- Participation in activities related to recycling
- Do not allow the product to enter water, sewage or soil

Toxicity of components of the mixture

Bronopol:

LC50 fish (Oncorhynchus mykiss): 41,2 mg/l, 96 h

EC50 : 1,4 mg/l, 48 h [daphna, bezkręgowce wodne]

EC50: alga 0,4 - 2,8 mg/l, 72 h

M coefficient (Acute toxicity for aquatic environment) : 10

2-octyl-2H-isothiazol-3-one:

LC50 fish (Oncorhynchus mykiss): 0,047 mg/l, 96 h,

EC50 (Daphnia magna (daphnia)): 0,32 mg/l, 48 h

ErC50 (Scenedesmus capricornutum (fresh water alga)):0,031 mg/l, 72 h, Directive on tests 201 OECD

M coefficient (Acute toxicity for aquatic environment): 100

Propylene glycol monomethyl ether

LC50 fish 6 812 mg/l 96 h Leuciscus idus

LC50 fish >= 1 000 mg/l 96 h Oncorhynchus mykiss

LC50 fish 20 800 mg/l 96 h Pimephales promelas

LC50 21100 – 25 900 mg/l 48 h Daphnia magna

ErC50 1 000 mg/l 7 days Pseudokirchne riella subcapitata

12.2 Persistence and degradability

The surfactants used in the product meet the biodegradability requirements in accordance with EC regulation 648/2004

12.3 Bioaccumulative potential

It is not determined for the mixture.

12.4 No data available for the mixture

Water soluble in any proportion

The mobility of substances depends on their hydrophilic and hydrophobic properties as well as abiotic and biotic conditions of the soil, including its structure, climatic conditions, season (in Poland, in a temperate climate) and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

12.5 Results of PBT and vPvB assessment

The substances contained in the product are not assessed as PBT and vPvB

12.6 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. The possibility of other harmful effects of the individual components of the mixture on the environment should be considered (e.g. endocrine disrupting capacity, global warming potential).

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste disposal methods

Product removal:

Do not dispose of the product together with municipal waste, do not empty into the sewage system. Do not allow contamination of ground and surface waters.

Dispose of in accordance with applicable regulations. Determine the waste code at the place of its production



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Legal basis:

Act of 14 December 2012 on waste (Journal of Laws No. 0, item 21) **Consolidated text, Journal of Laws No. 2018 item 21**

Regulation of the Minister of Climate of 2 January 2020 on the waste list, **Journal of Laws No. 2020 item 10**

Act of 12 October 2017 amending the Act on the management of packaging and packaging waste and certain other acts, Journal of Laws No. 2017 item 2056

14 SECTION 14: TRANSPORT INFORMATION

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 product does not pose a threat to the environment in accordance with the criteria of the UN Model Regulations.

14.6 Special precautions for user

No special precautions.

14.7 Bulk transport in accordance with Annex II to MARPOL 73/78 convention and the IBC Code

Not applicable.

15 SECTION 15: REGULATORY INFORMATION

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.
- 790/2009/EC** Commission Regulation of 10 August 2009 adapting to scientific and technical progress Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on the classification, labeling and packaging of substances and mixtures.
- 830/2015/EC** Commission Regulation of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
- 2008/98/EC** Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain directives
- 94/62/EC** Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste.
- 2015/830/EU** Commission Regulation of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.
- 648/2004/EC** Regulation (EC) of the European Parliament and of the Council No. 648/2004 of March 31, 2004 on detergents (as amended).
- Act of February 25, 2011 on chemical substances and their mixtures (Journal of Laws 2011 No. 63 item 322), **consolidated text, Journal of Laws 2015, item 1203**

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10. Regulation of the Minister of Health of 10 August 2012 on the criteria and method of classifying substances and their mixtures (Journal of Laws 2012 No. 0; item 1018). **Uniform text, Journal of Laws 2015 item 208**

11. Regulation of the Minister of Health of 20 April 2012 on labeling packages of hazardous substances and mixtures and some mixtures (Journal of Laws of 2012, No. 0, item 445). **Uniform text, Journal of Laws 2015 item 450**

15.2 Chemical safety assessment

The supplier did not perform a chemical safety assessment. A safety report is not required for the mixture.

16 SECTION 16: OTHER INFORMATION**Other data sources:**

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

The person drawing up the card:	mgr Małgorzata Krenke	Based on the supplier's safety data sheet. Calculation method
Card issued by:	„Feed Reach Consulting“ www.frc.com.pl	

The above information is based on the currently available data characterizing the product as well as the experience and knowledge of the manufacturer in this field. The data contained in the Data Sheet should be considered only as an aid for safe handling, distribution, use and storage. The card is not a product quality certificate. The information contained in the Charter relates only to a given product and may not be current or sufficient for this product used in combination with other materials or for various applications. The user of the product is obliged to comply with all applicable standards and regulations, and is also responsible for improper use of the information contained in the Card or improper use of the product.

H-phrases (indicating the type of hazard) used in sections 2 and 3. Safety data sheets:

H315	Causes skin irritation;
Skin Irrit. 2	Irritating for the skin Hazard Category 2
H317	Can be allergic for skin.
Skin Sens. 1	Skin sensation Hazard Category 1
H226	Inflammable liquid and vapours
Flam. Liq. 3	Liquid substance , inflammable, Hazard Category 3
H319	Irritating for eyes.
Eye Irrit. 2	Irritating for eyes Hazard Category 2
H318	Serious eye damage;
Eye Dam 1	Serious eye damage/irritating for eyes, Hazard Category 1
H400	Very toxic for aquatic organisms.
Aquatic Acute 1	Causes hazards for aquatic environment Hazard Category 1
H410	Very toxic for aquatic organisms, long term effects.
Aquatic Chronic 1	Causes hazards for aquatic environment Hazard Category 1
H302	Harmful after swallowing
Acute Tox 4	Acute toxicity (digestive tract), Hazard Category 4
H314	Serious burn of skin and eye damage;
Skin Corr. 1A	Skin corrosion/skin irritation, Hazard Category 1, Hazard sub-Category 1A
Skin Corr. 1C	Skin corrosion/skin irritation, Hazard Category 1, Hazard sub-Category 1C
H336	May cause drowsiness or dizziness.
STOT SE 3	Toxic effect on target organs - after single exposure Hazard category 3.
H335	May cause irritation of respiratory tract

**SAFETY DATA SHEET UPDATE DATE 01.12.2020****(according to: Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 (REACH))****COCKPIT CLEANER**

STOT SE 3	Toxic effect on target organs - after single exposure Hazard category 3.
H311	Toxic after contact with skin
Acute Tox 3	Acute toxicity (after applying on skin), Hazard Category 3
H331	Toxic after inhalation
Acute Tox 3	Acute toxicity (after inhalation), Hazard Category 3
EUH 071	Corrosive for respiratory tract.
H332	Harmful after inhalation.
Acute Tox4	Acute toxicity, Inhalation Hazard Category 4
H312	Harmful after skin contact.
Acute Tox 4	Acute toxicity, skin Hazard Category 4

Abbreviations and acronyms

NDS	The highest permissible concentration (TLV-TWA) (OEL-TWA) (PEL-TWA)
NDSch	Maximum permissible instantaneous concentration (TLV-STEL)
NDSP	The highest permissible ceiling concentration (TLV-CL)
LD ₅₀	Dose at which 50% of the tested organisms die
LC ₅₀	Concentration at which 50% of test organisms die
EC _x	The concentration at which an X% reduction in growth or growth rate is observed
CAS number	Number assigned to a chemical by the US Chemical Abstracts Service (CAS), allowing the substance to be identified.
EC/EC Number	The number assigned to the chemical according to the European Inventory of Existing Chemical Substances (EINECS), or the number assigned to the substance on the European List of Notified Chemical Substances (ELINCS) Substances), or the number in the inventory of chemicals mentioned in "No-longer polymers".
GHS	Globally Harmonized System of Classification and Labeling of Chemicals (GHS, GHS ONZ)
UN number	Material identification number acc.to ADR agreement
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations for the international carriage of dangerous goods by rail
IMGD	International Maritime Dangerous Goods Code.
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
MARPOL	The International Convention for the Prevention of Pollution from Ships (MARPOL)
Ems	Emergency response procedures for ships carrying dangerous goods

Training

Before work with the product, the user should read the Health and Safety regulations regarding handling chemicals, and in particular, undergo appropriate workplace training.