

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

1.1 Product identifier

Trade name: **BIO-shampoo with geranium oil**

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

Identified uses: dog care product; shampoo for washing animal coats/hair

Uses advised against: All other uses apart from the ones listed further above.

1.3 Details regarding the Safety Data Sheet supplier

Manufacturer/distributor: Wytwórnia Chemiczna PESS

Production plant: Nieznanowice 158, 32-420 Gdów, Poland

Sales Office: ul. Ks. Pawlickiego 24, 30-320 Kraków, Poland

Phone: (+48) 12 266 90 98/ (+48) 12 269 12 71

Website: www.pess.com.pl www.pess.eu

E-mail: pess@interia.pl pess@pess.com.pl

Person in charge of the Safety Data Sheet: Mrs Małgorzata Lorek-Serwatka

E-mail: pess@interia.pl

1.4 Emergency phone number

Toxicological Information Unit and Analytical Laboratory, Jagiellonian University, *Collegium Medicum*, Krakow: (+48) 12 411 99 99

Manufacturer/distributor: (+48) 12 266 90 98 (Mon. - Fri.) / 9:00 a.m. - 4:00 p.m.)

SECTION 2: Hazard identification

2.1 Classification of a substance or mixture

Classification of a mixture in line with the Regulation 1272/2008 (CLP)

Skin sens. 1

Skin Irrit. 2

Eye Irrit. 2

As regards all classifications not fully addressed in this section, the unabridged texts are comprised in SECTION 16

2.2 Labelling components

Classification of a mixture in line with the Regulation 1272/2008 (CLP)

Pictograms:



Caution:

Uwaga! Achtung! Warning! Atencion! Atentie! Upozorenje!

Precautionary statements:

H315 Działa drażniąco na skórę. / Verursacht Hautreizungen. / Causes skin irritation. / Provoca iritațiune cutană. / Provoacă iritarea pielii. / Nadražuje kožu.

H317 Može powodować reakcję alergiczną w kontakcie ze skórą / Kann allergische Hautreaktionen verursachen / May cause an allergic skin reaction / Puede provocar una reacción alérgica en la piel / Poate provoca o reacție alergică a pielii / Može izazvati alergijsku reakciju na koži

H319 Działa drażniąco na oczy. / Verursacht schwere Augenreizung. / Causes serious eye irritation. / Provoca iritațiune oculară gravă. / Provoacă o iritare gravă a ochilor. / Uzrokuje jako nadraživanje oka.

Statements recommending specific precautionary measures (reaction):

P332+P313 W przypadku wystąpienia podrażnienia skóry: Zasięgnąć porady/zgłosić się pod opiekę lekarza. / Bei Hautreizung: Ärztlichen Rat einholen/ ärztliche Hilfe hinzuziehen. / If skin irritation occurs: Get medical advice/ attention. / En caso de iritațiune cutană: Consultar a un

médico. / În caz de iritare a pielii: consultați medicul. / U slučaju nadražaja kože: zatražiti savjet/pomoć liječnika.

P305+P351+P338 W PRZYPADKU DOSTANIA SIĘ DO OCZU: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać. / BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen. / IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. / EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. / ÎN CAZ DE CONTACT CU OCHII: Clătiți cu atenție cu apă timp de mai multe minute. Scoateți lentilele de contact, dacă este cazul și dacă acest lucru se poate face cu ușurință. Continuați să clătiți. / U SLUČAJU DODIRA S OČIMA: oprezno ispirati vodom nekoliko minuta. Ukloniti kontaktne leće ako ih nosite i ako se one lako uklanjaju. Nastaviti ispirati.

P337+P313 W przypadku utrzymywania się działania drażniącego na oczy: Zasięgnąć porady/zgłosić się pod opiekę lekarza. / Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen. / If eye irritation persists: Get medical advice/ attention. / Si persiste la iritațiune oculară: Consultar a un médico. / Dacă iritarea ochilor persistă: consultați medicul. / Ako nadražaj oka ne prestaje: zatražiti savjet/ pomoć liječnika.

SUPPLEMENTARY INFORMATION

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PRECAUTIONARY MEASURES: Do not use the shampoo on any seeping skin lesions, or on the young animals (up to 9 weeks of age). Do not eat, drink or smoke, while using the product. Protect eyes and ears during use. Keep out of reach of children.

FIRST AID: In the event of: *accidental swallowing: rinse out the mouth, *skin irritation: discontinue the use of the product immediately, *contact with the eyes: as above. Get medical advice/attention: should additional disturbing symptoms occur, show the product's original packaging. The packaging may be disposed of along with municipal waste. Any remnants of the product should be handed over to the services specializing in waste recycling and safe disposal.

Store in the original packaging only, at the temperature of 5-25°C, away from any heat and fire sources. Do not freeze. Keep away from any foodstuffs.

2.3 Other hazards

No specific hazards have been identified, as long as pertinent regulations/recommendations for storage and handling are strictly followed.

SECTION 3: Composition/information on the ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical characteristics:

A complex, liquid agent. A mixture of water, surfactants, active substance (geranium oil), essential oil, and preservative.

Hazardous ingredients:

CHEMICAL NAME	CONCENTRATION IN THE PRODUCT [%] weight	CAS/EC No	REACH REG. No INDEX No.	CLASSIFICATION (REGULATION 1272/2008 CLP)
Ethoxylated alkyl sulphate ether C12-C14, sodium salt Sodium Laureth Sulfate	10-15%	68891-38-3	01-2119488639-16	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412
A water-based solution: Oligomeric decyloctylglycoside D-glucopyranose Decyl Glucoside	5 -10%	68515-73-1	01-2119488530-36	Skin Corr./Irrit. 2; H315 Eye Dam./Irrit. 1; H318
Ethoxylated fatty alcohol Laureth-3	5%	68439-50-9	---	Eye Dam./Irrit. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 3; H412
Geranium oil PELARGONIUM GRAVEOLENS FLOWER OIL	0,2%	8000-46-2 90082-51-2	brak	Eye Dam. 1; H318, Skin Irrit. 2; H315, Skin Sens. 1; H317,

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2-bromo-2-nitropropano-1,3-diol Bronopol	0.05-0.1%	52-51-7	603-085-00-8	Aquatic Chronic 3; H412 Acute Tox. 4*; H302 Acute Tox. 4, H312 STOT RE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318
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As regards all classifications not fully addressed in this section, the unabridged texts are comprised in SECTION 16

SECTION 4: First-aid measures

4.1 Description of first aid measures

Swallowing:

Rinse the mouth thoroughly with water. Drink plenty of water. In the event of disturbing symptoms, or feeling unwell, contact a doctor or a toxicological centre.

Skin contact:

In the event of skin irritation, immediately discontinue the use of the agent. Should the skin irritation persist, seek medical advice/attention.

Eye contact:

In the event of a contact with the eyes, keep rinsing the eyes with plenty of water for at least 15 minutes. Call a doctor, if necessary.

Inhalation:

Not applicable

4.2 Most important symptoms and effects, both acute and delayed, effects of exposure

The product may cause an allergic skin reaction.

In the event of accidental contact with the eyes, the product may cause irritation of the eye mucous membranes.

4.3 Indication of any immediate medical attention and special treatment required.

Procedure:

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1 Extinguishing agents

Use the extinguishing agents in line with the actual size and type of fire.

Extinguishing agents: dispersed water streams, carbon dioxide, extinguishing powder, foam.

Inappropriate extinguishing agents: direct water jet.

5.2 Special hazards arising from the substance or a mixture

Combustion products may be harmful to health. Do not breathe smoke.

5.3 Information for firefighters

Use breathing apparatus/independent breathing apparatus when extinguishing the fire. Dispose of the fire debris and contaminated extinguishing water in line with the applicable regulations.

SECTION 6: Procedures to be applied upon accidental release into the environment

6.1 Personal precautionary measures, protective equipment, and procedures applicable in any emergency situations

For non-assistance personnel/assistance personnel:

Wear protective clothing and personal protective equipment. Avoid skin contamination.

6.2 Environmental precautionary measures

Prevent any accidental runoff (do not contaminate) into the drains/surface water/ground water.

6.3 Methods and material for containment of contamination and its subsequent clean-up

The contaminated area should be isolated - the source of environmental contamination should be cut off. Protect water sources. Use dry natural vegetable sorbents. Collect the waste into marked containers and dispose of it in accordance with the applicable regulations.

6.4 References to other sections

Data on restrictions, control of exposure, personal protective equipment, and waste disposal guidelines may be found in SECTION 8 and SECTION 13.

SECTION 7: Handling and storage of substances and mixtures

7.1 Precautions for safe handling

Wash hands thoroughly after use. Keep out of reach of children.

7.2 Conditions for safe storage, including any respective incompatibilities

Store the product in its original packaging only. It is recommended to store the product at 5-25°C, away from heat and fire sources. Do not freeze. Store away from any foodstuffs.

7.3 Specific end use(s)

None

SECTION 8: Control of exposure/personal protection measures

8.1 Control parameters

Maximum permissible concentration in the working environment (NDS, NDSh, NDSP): for a mixture - No limit values for the workplace are known that would require regular monitoring.

For a chemical substance - essential substances

PNEC (Predicted No Effect Concentration - Predicted no-effect concentration in the environment) and DNEL (Derived No Effect Level - Derivative of no-effect levels, i.e. maximum permissible levels of human exposure to the substance):

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Sodium salt of sulphated oxyethylated alcohol C12-14

PNEC:

fresh water: 0.24 mg/l

sea water: 0.024 mg/l

occasional release: 0.071 mg/l

treatment plant: 10000 mg/l

sediment (fresh water): 5.45 mg/kg

sediment (sea water): 0.545 mg/kg

soil: 0.946 mg/kg

oral route (repeated exposure): PNEC oral was not determined, as no saturation in living organisms is anticipated.

DNEL:

worker: Long-term exposure - systemic effect, dermal: 2750 mg/kg

worker: Long-term exposure - systemic effect, inhalation: 175 mg/m³

user/consumer: Long-term exposure - systemic effect, dermal: 1650 mg/kg

user/consumer: Long-term exposure - systemic effect, inhalation: 52 mg/m³

user/consumer: Long-term exposure - systemic effect, oral: 15 mg/kg

D-glucopyranose, oligomer, C10-16-alkylglycosides

PNEC:

fresh water: 0.176 mg/l

sea water: 0.018 mg/l

occasional release: 0.0295 mg/l

treatment plant: 5000 mg/l

sediment (fresh water): 1.516 mg/kg

sediment (sea water): 0.065 mg/kg

soil: 0.654 mg/kg

oral route (repeated exposure): 111.11 mg/kg

DNEL:

worker: Long-term exposure - systemic effect, dermal: 595000 mg/kg

worker: Long-term exposure - systemic effect, inhalation: 420 mg/m³

user/consumer: Long-term exposure - systemic effect, dermal: 357000 mg/kg

user/consumer: Long-term exposure - systemic effect, oral: 35.7 mg/kg

user/consumer: Long-term exposure - systemic effect, inhalation: 124 mg/m³

8.2 Exposure controls

For a mixture - no special personal protective equipment required

For a chemical substance

Technical control measures:

Use exhaust ventilation at the workstation.

Personal protective equipment:

Respiratory tract/eye protection - wear full face masks with a filter/filter (e.g. EN136 type).

Eye protection - Wear safety glasses (e.g. EN 166-168, EN 170, EN 172)

Skin protection - wear protective clothing and footwear, chemical-resistant protective gloves (e.g. nitrile, regarding prolonged direct contact - Protection Factor 6 is recommended). Select the protective clothing appropriate for the type of activities to be pursued and potential effects.

Thermal hazards - no special protection required.

Environmental exposure controls - Prevent the substance from infiltrating into the environment, sewage system/surface water/ground water.

General safety and hygiene instructions - Do not eat, drink, or smoke, when pursuing work duties. Follow the precautionary measures recommended for handling chemical agents.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance	viscous, straw-coloured liquid
(b) Odour	delicate citrus
(c) Odour threshold	not determined
(d) pH	7 - 8
(e) Melting point/freezing point	N/A
(f) Initial boiling point and boiling range	approx. 105°C
(g) Flash point	N/A
(h) Evaporation rate	not determined
(i) Flammability	N/A
(j) Upper/lower flammability limit or upper/lower explosive limit	N/A
(k) Vapour pressure	not determined
(l) Vapour density	not determined
(m) Relative density	1.20 g/cm ³
(n) Solubility	in water - limitless
(o) Apportionment coefficient: n-octanol/water	not determined
(p) Autogenous ignition temperature	N/A
(q) Decomposition temperature	not determined
(r) Viscosity	not determined
(s) Explosive properties	N/A
(t) Oxidising properties	N/A

9.2 Other information

No other information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions as long as storage and handling instructions are strictly followed (SECTION 7).

10.2 Chemical stability

The product is stable under the specified storage conditions (SECTION 7).

10.3 Potential for hazardous reactions

Not known, as long as the product is stored and used as recommended (SECTION 7).

10.4 Conditions to be avoided

See SECTION 7.

10.5 Incompatible materials

Not identified.

10.6 Hazardous decomposition products

No hazardous decomposition products have been identified whatsoever, as long as the recommendations for use and storage of the product are strictly followed (SECTION 7).

SECTION 11: Toxicological information

The product has not been tested, a scope of information comprised in this section is based on the chemical data indicated in SECTION 3.

11.1 Information on toxicological effects

(a) acute toxicity

Sodium Laureth Sulfate

Experimental/calculation data

LD50 Rat (oral): > 5,000 mg/kg (OECD Guidelines 401)

LD50 Rat (dermal): > 5,000 mg/kg (OECD-Richtlinie 402)

Decyl Glucoside

Experimental / computational data..:

LD50 (oral): > 2,000 mg/kg

LD50 (dermal): > 2,000 mg/kg (OECD-Richtlinie 402)

Mixture: The product is not classified as hazardous in this class.

(b) Skin corrosion/irritation

Sodium Laureth Sulfate: Irritant in contact with the skin. Erosions/irritation of rabbit skin: Irritating. (OECD Guidelines 404)

Decyl Glucoside: Irritant in contact with the skin. Erosions/irritation of rabbit skin: Irritating. (OECD Guidelines 404)

Mixture: The product is classified as hazardous in this class.

(c) serious eye damage/irritation

Sodium Laureth Sulfate: Irritant in contact with the eyes. Serious eye damage/irritation to rabbit's eyes: Irritating. (OECD Guidelines 405)

Decylla Glucoside: May cause severe eye damage. Serious damage to/irritation of rabbit eyes: irreparable damage (OECD Guidelines 405)

Mixture: The product is classified as hazardous in this class.

(d) respiratory or skin allergy

Mixture: The product is classified as hazardous in this class.

(e) germ cell mutagenicity

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Mixture: The product is not classified as hazardous in this class.

(f) Carcinogenicity

Mixture: The product is not classified as hazardous in this class.

(g) reproductive toxicity

Mixture: The product is not classified as hazardous in this class.

(h) Target organ toxicity - single exposure

Mixture: The product is not classified as hazardous in this class.

(i) Specific target organ toxicity - repeated exposure

Mixture: The product is not classified as hazardous in this class.

(j) hazard due to aspiration

Mixture: The product is not classified as hazardous in this class.

Information on the likely ways of exposure:

Dermal exposure - dermal irritation is unlikely.

Symptoms related to physical, chemical and toxicological properties:

No data on the symptoms related to physical, chemical and toxicological properties are available.

Delayed, immediate, and chronic effects from short and long-term exposure

No data available.

Effects of interactions

No data available.

No detailed data available.

Data regarding similar substances or mixtures were not used.

Information on the mixtures vs. information on the substances

No data available

Other information

No data available

SECTION 12: Environmental information

The product has not been tested and the information in this section is based on the chemical data indicated in SECTION 3.

12.1 Toxicity

Sodium Laureth Sulfate

Toxicity to fish: LC50 > 10-100 mg/l, *Leuciscus idus* (DIN EN ISO 7346-2)

Aquatic invertebrates: EC50 > 10-100 mg/l, *Daphnia magna* (OECD Guidelines 202, Part 1)

Aquatic plants: EC50 > 100 mg/l, *Scenedesmus subspicatus* (OECD Guidelines 201)

Microorganisms/activity to active sediment: EC0 > 100 mg/l, *Pseudomonas putida* (OECD 209 Guidelines)

Chronic toxicity to fish: NOEC > 1 - 10 mg/l, *Leuciscus idus*

Chronic toxicity to aquatic invertebrates: NOEC > 0,1 - 1 mg/l, *Daphnia magna*

Decyl Glucoside

Toxicity to fish: LC50 > 10-100 mg/l (DIN EN ISO 7346-2)

Microorganisms/activity to active sediment: EC0 > 100 mg/l (OECD 209 Guidelines)

Mixture: The product is not classified as hazardous in this class.

12.2 Persistence and degradability

The surfactants contained in this agent are fully compliant with the biodegradability criteria of the Detergents Directive (EC) No 648/2004. Pertinent data in support of this information have made available to the competent authorities of the Member States.

Mixture: No data available.

12.3 Bioaccumulative potential

Sodium Laureth Sulfate: No significant accumulation in living organisms is anticipated.

Mixture: No data available

12.4 Mobility in soil

Sodium Laureth Sulfate: The substance does not evaporate from the surface of the water into the atmosphere. The substance seeps into the soil, when spilled, and may, depending on its biological decomposition, be transferred to the deeper layers of soil with higher amounts of water. Studies not required for scientific reasons.

Mixture: No data available

12.5 Results of PBT and vPvB assessment

Chemical substances: does not meet the PBT (persistent, bioaccumulative and toxic) and vPvB (very persistent/high bioaccumulative) criteria.

Mixture: does not meet the PBT (persistent, bioaccumulative and toxic) and vPvB (very persistent/high bioaccumulative) criteria.

12.6. Other adverse effects

The product does not contain any substances listed in the EU Regulation 1005/2009 on the substances depleting the ozone layer

SECTION 13: Disposal of waste

13.1 Waste disposal methods

Used product and packaging may be disposed with municipal waste.

The remainder of the unused product should be handed over to the agents specializing in the recovery and disposal of waste.

Any resultant waste should be stored, transported and recovered/recycled or disposed of in compliance with pertinent provisions of the Act on Waste and the derivative regulations.

Waste should be classified whilst making use of appropriate codes and names, in conformity with the current waste catalogue. The disposal of waste into soil and ground, sewage system, rivers, water reservoirs, is strictly prohibited.

Classification of waste in compliance with the Regulation of the Minister of the Environment of December 9, 2014 on the waste catalogue (Journal of Laws No. 0, item 1923).

Waste handling in compliance with the Act of December 14, 2012 on Waste Management (Journal of Laws of 2013, No. 0, item 21, as amended), and the Act of June 13, 2013, on Packaging and Waste Packaging Management (Journal of Laws No. 0, item 888, as amended).

SECTION 14: Transport information

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The mixture is not classified as dangerous within the meaning of the transport regulations.

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

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user

N/A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code

N/A

SECTION 15: Information pertaining to applicable legislation

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

- 1) Regulation (EC) No 1907/2006 of the European Parliament and of the Council of December 18, 2006 (REACH), as amended
- 2) Regulation (EC) No 1272/2008 of the European Parliament and of the Council of December 16, 2008 (CLP/GHS), as amended
- 3) The Act of February 25, 2011, on Chemical Substances and Their Mixtures (Journal of Laws No. 63, item 322, as amended)
- 4) Regulation of the Minister of Health of August 10, 2012, on the Criteria and Methods of Classification of Chemical Substances and Their Mixtures (Journal of Laws No. 0, item 1018, as amended).
- 5) Regulation of the Minister of Health of April 20, 2012, on the labelling on the packaging containing hazardous substances, their mixtures, and certain other mixtures (Journal of Laws No. 0, item 445, as amended).
- 6) Regulation of the Minister of Labour and Social Policy of June 6, 2014, on the maximum permissible concentrations and intensities of the factors harmful to health in the working environment (Journal of Laws No. 0 item 817, as amended).
- 7) Regulation of the Minister of the Environment of September 3, 2014, on the templates for package labelling (Journal of Laws No. 0, item 1298).
- 8) Act of December 14, 2012, on waste (Journal of Laws 2013 No. 0, item 21, as amended).
- 9) Act of June 13, 2013, on the management of packaging materials and packaging waste materials (Journal of Laws No. 0, item 888, as amended)

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- 10) Regulation of the Minister of the Environment of December 9, 2014 on the waste classification catalogue. (Journal of Laws No. 0, item 1923).
 - 11) Act of August 19, 2011, on transporting hazardous goods (Journal of Laws No. 227, item 1367, as amended).
 - 12) Classification of hazardous materials according to the European Agreement on the International Carriage of Dangerous Goods by Road ADR (ADR regulations).
 - 13) Regulation of the Minister of the Environment, of December 9, 2003, on the substances posing a particular threat to the environment (Journal of Laws No. 217, item 2141, as amended).

15.2 Chemical safety assessment

Chemical safety assessment of the mixture was not carried out. Pertinent notes on the handling procedures are comprised in SECTIONS 7 and 8.

SECTION 16: Other information

16.1 Additional information on the mixture:

Animal care product. The product is intended for use by the general public.

16.2 Explanations of abbreviations and phrases:

Acute Tox. 4 Acute Toxicity, hazard category 4

Aquatic Acute 1 Hazardous to the aquatic environment, hazard category 1

Aquatic Chronic 1, 3 Hazardous to the aquatic environment, hazard category 1, 3

Eye Dam./Irrit. 1, 2 Serious eye damage / Eye irritation, hazard category 1, 2

Skin Corr./Irrit. 1, 2 Serious damage / Skin irritation, hazard category 1, 2

Skin Sensation. 1 Skin sensitisation, hazard category 1

STOT SE 3 Target organ toxicity, single exposure, hazard category 3

Flam. Liq. 3 Flammable liquid, hazard category 3

H302 Harmful if swallowed

H312 Harmful: danger of contact with skin

H315 Causes skin irritation

H317 May cause allergic skin reaction

H318 Causes severe eye damage

H319 Irritating to eyes

H226 Flammable liquid and vapour

H335 May cause respiratory irritation

H400 Very toxic to aquatic organisms

H410 Very toxic to aquatic life with long-lasting effects.

H412 Harmful to aquatic life with long-lasting effects

16.3 Additional information on the Safety Data Sheet

This Safety Data Sheet is furnished directly to the user of the product, with no warranty or surety as to its completeness, or detailed nature of any information or recommendations contained therein.

This Sheet does not constitute any legal grounds for any liability whatsoever on the part of the supplier. The company shall not be liable for any disease or injury of any nature

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sustained in result of the use or misuse of the Safety Data Sheet for the compound or material to which it pertains.

The information comprised in this Data Sheet is based on the data furnished by the suppliers of the substances and merely represents the current state of our knowledge and experience with regard to the safe use of the product at issue.

The vertical lines to the left of the text indicate the changes with regard to the previous version of the Data Sheet.

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