SECTION 1: Identification of substance/preparation and company

1.1. Product name: Super Slick-EM (012904);
UFI code (Unique formula identifier): n.d.

1.2. Application: Lubricant,

1.3. Supplier/manufacturer: Rubber Vulk Lda, Zona Industrial, Lote 21,
3680-133 Oliveira de Frades

1.3. Emergency telephone number / office for advice:
+351232763109, Fax: +351232763110, info@rubbervulk.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture according to the Regulation (EG) Nr. 1272/2008 (CLP)
The mixture is not classified as dangerous in the sense of regulation (EG) Nr. 1272/2008 (CLP)

2.2. Identification elements
Labeling according to the regulation (EG) Nr. 1272/2008 (CLP)

EUH210-safety data sheet available on request

2.3. Other dangers
The mixture contains no vPvB substances (vPvB=very persistent, very bioaccumulative) and annex XIII of regulation (EG) 1907/2006 is not applicable.
The mixture contains no BPT substances (BPT=persistent, bioaccumulative, toxic) and appendix XIII of regulation (EG) 1907/2006 is not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance n.a.

3.2. Mixture

Dithylene glycol	
Registration nr (REACH)	--
Index	603-140-00-6
EINECS, ELINCS, NLP	203-872-2
CAS	111-46-6
% content	1-10
Classification according to (EG) Nr. 1272/2008 (CLP)	Acute Tox. 4. H302

For complete wording of the H-phrases and classification codes refer to section 16
The substances were mentioned in this section in accordance to their actual names and classification.
This means that for substances that are listed in Annex VI tab. 3.1/3.2 of regulation (EG) Nr. 1272/2008 (CLP), any comments made there have been taken into account for the classification mentioned here

SECTION 4: First aid measures

4.1.First aid instructions - remove person from danger area; flush copiously with water; supply fresh air and seek medical advice.
Skin contact: wash thoroughly with ample water. Remove contaminated clothes. If skin irritation occurs (redness, etc.) consult physician.
Eye contact: rinse with water for several minutes (remove contact lenses if possible). Seek medical advisor.
Ingestion: do not induce vomiting. Rinse mouth/skin and then wash skin with water and soap. Consult physician, keep Data Sheet available. Never give anything by mouth to an unconscious person!

4.2. Important symptoms, acute and delayed - see section 11, and 4.1

4.3. Special medical treatments or help - n.g.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media: dep.on the nature and extent of fire. All known extinguishers can be used.
In case of fire: keep drums, etc. cool by spraying with water, take care: oxides of carbon may appear.
Unsuitable fire extinguisher for reasons of safety - n.g.

5.2. Special dangers caused by the substance or preparation itself, results of fire/burning, or ensuring gases: - oxides of carbon may develop (carbon dioxide), acrolein

5.3. Special protective equipment for fire-fighters
Protective respirator with independent air supply. According to size of fire – full protection if necessary.

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Dispose of contaminated extinction water according to official regulations. In case of fire - do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions

In case of major escape of the substance: ensure adequate ventilation. Caution – sliding possibility.
Avoid inhalation and contact with eyes and skin.

6.2. Environmental measures

If leakage occurs, dam up. Prevent from entering drainage system.

6.3. Cleaning up procedure

Collect by mean of absorbent material (i.e. binding medium or sand) or collect mechanically and dispose according to section 13

6.4. Reference to other sections - see section 13 and 8

SECTION 7: Handling and storage

Additional information you can find in section 8 and 6.1

7.1. Tips for safe handling

7.1.1. General recommendation

Ensure good ventilation. Follow instructions on the labels.

7.1.2. Notes on hygiene in the workplace

General hygiene measures for the handling of chemicals are applicable.

7.2. Storage

Keep into original, closed containers. Separated from strong oxidants.
Store in dry and cool place. Only in unopened original packaging.
Not to be stored in gangways or stair wells.

7.3. Special storage conditions

Avoid contact with other chemicals. Collect leaking liquid in covered containers.
Prevent from leaking into water and sewerage system; in large amounts may become harmful to aquatic organism. Store in cool and dry places. Avoid freezing and heating.

SECTION 8: Exposure controls /personal protection/ limit values

8.1. Exposure limit values

Chemical name	Diethylene glycol	Content%: 1-10
WEL-TWA : 10 ppm (40 mg/m^3)	Spb.-Uf.. 4(II)	---
Monitoring method:	- Draeger-Alcohol 25/a (81 01 631) - Draeger-Alcohol 100/a (CH 29 701)	
BMGV: ---	Other information: DFG, Y, 11	

WEL-TWA = Workplace Exposure Limits – Long-term exposure limit (8-hour TWA /=time avereage/ reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). # WEL-STEL = Workplace Exposure Limit – Short-terme exposure limit (15-minute reference period). # BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany). # Other information: Sen = Capable of causing occupational asthma. # Sk = can be absorbed by skin. Carc = Capable of causing cancer and/or heritable generic damage. Spd.-Uf=peak limitation excursion factor (1 to 8) and categorie (I, II) for short-term values.
Y= risk of influence to female reproductive system if AGW and BGW are complied with. DFG = Deutsche Forschungsgemeinschaft =German Research Foundation (MAK Comission), AGS=Auschuss fur Gefahrstoffe=Hazardous Substances Comitee. (10)= Occupational exposure limit relates to the element content of the corresponding metal. (11)=sum of fumes and aerosols. ** = the exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.
DNEL – n.d. PNEC – n.d.

8.2. Exposure controls:

8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here. General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at the end of work. Keep away from food, drink and animal feeding stuffs.

8.2.1 Individual exposure controls

Respiratory protection: NOT NECESSARY ; If OES or MEL is exceeded ; Filter A P2 (EN 14387)
Hand protection: RECOMMENDED; Protective nitrile gloves (EN 374); Protective hand cream recommended
Eye protection: Tight fitting protective goggles with side protection (EN 166).
Skin protection: Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments).
Additional information on hand protection – no tests have been performed. Selection made for preparations according to the best available knowledge and information on the ingredients. Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made by taking the breakthrough times, permeation rates and degradation into account.

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Selection of suitable gloves depends on quality characteristics of manufacturer. In case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3. Environmental exposure controls - n.a

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state:	paste, liquid
Colour:	bright
Odour:	characteristic
pH value undiluted:	not detected
Boiling point:	not detected
Melting point:	n.v.
Flash point:	> 100 ºC (main ingredients)
Flammability (solid gas):	not detected
Auto flammability:	226 ºC (dithylene glycol)
Oxidizing properties:	No
Partition coefficient (n-octanol, water)	not detected
Min/Max limit explosion:	not detected
Vapour pressure:	not detected
Density:	1g/ml
Solubility in water:	soluble
Viscosity:	not detected

9.2. Other physical and chemical properties

Miscibility	not detected
Fat solubility	not detected
Surface tension	not detected
Solvent content	not detected

SECTION 10: Stability and reactivity

10.1. Reactivity: see under-section 10.2 to 10.6
The product has been not tested

10.2. Chemical stability: see under-section 10.1 to 10.6
In conditions of appropriate warehousing and handling the product is stable.

10.3. Possibilities of dangerous reactions - see section 10.1 to 10.6

10.4. Conditions to avoid - see also section 7
strong heating, freezing

10.5. Materials to avoid - see also section 7
Contact with other chemicals
Possible: copper, brass

10.6. Hazardous product decomposition - see section 10.1 to 10.5
- see section 5.2

SECTION 11: Toxicological information

Montagecreme

Toxicity effect	End point	Value	Unit	Organism	Test method	Reference
Acute toxicity, oral:	ATE	>2000	mg/kg			Calculated value
Acute toxicity, dermal:						k.D.v.
Acute toxicity, inhalative						k.D.v.
Irritant effect on the skin						k.D.v.
Carcinogenity						k.D.v.
Reproductive toxicity						k.D.v.
Specific organ toxicity						k.D.v.
Germ cell mutagenicity						k.D.v.
Other information						Classification according to calculation method

Dithylene glycol

Toxicity effect	End point	Value	Unit	Organism	Test method	Reference
Acute toxicity, oral:	LD50	12565	mg/kg	Rats		The EU classification does not match this
Acute toxicity, dermal:	LD50	11890	mg/kg	Rabbits		
Acute toxicity, inhalative	LC0	4,4-4,6	mg/l/4h	Rats		
Irritant effect on the skin				Rabbits	OECD 404 (Acute dermal irritation/corrosion	Not irritating

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Serious eye damage-irritation						Slight irritation
Respiratory sensitization				Guinea pig		Not sensitizing
Symptoms						acidosis, difficulty breathing, unconsciousness, diarrhea, coughing, cramps, fatigue Mucosal regeneration dizziness Nausea and vomiting, tremble

SECTION 12: Ecological information

Possibly further information on environmental impacts see section 2.1

Montagecreme

Toxicity effect	End point	Time	Value	Unit	Organism	Test method	Reference
toxicity, fishes:	ATE		>2000	mg/kg			Calculated value
toxicity, Daphnia							k.D.v.
toxicity, Seaweed							k.D.v.
Persistence and degradibility							k.D.v.
Bioaccumulative potential							k.D.v.
Mobility in the ground							k.D.v.
Results of PBT and vPvB assessment							k.D.v.
Other harmful effects							k.D.v.
Other information							According to the recipe, does not contain AOX

Dithylene glycol

Toxicity effect	End point	Time	Value	Unit	Organism	Test method	Reference
toxicity, fishes:	LC50	24h	>5000	ppm	Carrasius auratus		
toxicity, fishes:	LC50	96h	>32000	mg/l	Gambusia affnis		Bibliography
toxicity, Daphnia	EC50	24h	>10000	mg/l	Daphnia magna		
toxicity, Seaweed	IC0	7d	2700	mg/l	Scenedesmus quadricauda		Bibliography
Persistence and degradibility		28d	67	%		OECD 301 A (Ready Biodegradibility - DOC Die-Away Test)	
Bacterial toxicity	EC0	16h	8000	mg/l	Pseudomo-nasputida		Bibliography
Other information	BOD5		1,3-10	%			Bibliography
Other information	COD		99	%			Bibliography
Other information	ThOD		1,51	g/g			Bibliography
Solubility in water							Miscible

SECTION 13: Disposal instructions

13.1. For the material / preparation / residues

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)
07 06 99 wastes not otherwise specified
Recommendation: pay attention to local and national official regulations.
E.g. suitable incineration plant.
E.g. dispose at suitable refuse site.

13.2. For contaminated packing material

See section 13.1. Recommendation: pay attention to local and national official regulations.
15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
15 01 04 metallic packaging
Contact supplier if guidance is required. Uncontaminated packaging can be recycled.

SECTION 14: Transport information

14.1. General statements

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UN number: n.a.

14.2. Road/rail transport (GGVS/ADR / GGVE/RID)

GGVS/ADR n.a. (class/number)
GGVE/RID n.a. (class/number)

14.3. Transport by sea

GGVSea/IMDG-code: n.a. (class/code/packing-group)
EmS-Number: n.a.
MFAG-Number: n.a.
Marine Pollutant: n.a.

14.4. Transport by air

IATA: n.a. (class/secondary danger/packing-group)

14.5. Additional information

Unless otherwise specified, the general measures for safe transport must be observed.
Transport in bulk according to Annex II of the MARPOL Agreement and the IBC Code.
Not dangerous goods according to the regulations listed above.

SECTION 15: Regulatory information

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

1. 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), as amended.
2. 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 (Official Journal of the EU L 353 of 31 December 2008), as amended.
3. Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, 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.
4. Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws of 2011, No. 63, item 322), as amended (Journal of Laws of 2015, item 675, of 15 May 2015).
5. COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Classification and labeling see section 2
Symbols: n.a.
General hygiene measures for the handling of chemicals are applicable.
S02 – keep out of reach of children
Directive 2010/75/EU (VOC): 0%
Water hazard class (Germany) 2
Self-classification yes, (VwVwS)
Identification of danger: ---
Additions: n.a.
AbF: n.a.
Observed restrictions: n.a.

15.2. Chemical safety assessment

A chemical safety assessment is not provided for mixtures

SECTION 16: Other information

These details refer to the product as it is delivered.
Storage class TRGS 510: 10-13
Revised sections: 1-16
Classification and related procedures for deriving the classification of the mixture according to regulation (EG) 1272/2008 (CLP): n.a.
The following phrases represent the written out H-statements, hazard class code (GHS / CLP) of the ingredients (named in section 2 and 3): H302 Harmful if swallowed
Acute tox. - Akute toxizität - oral

LEGEND:
n.a. = not applicable / **n.v**., **k.D.v**. = not available / **n.g.** = not checked
WEL-TWA = Workplace Exposure Limits – Long-term exposure limit (8-hour TWA /=time average/ reference period) EH40. **AGW** = “Arbeitsplatzgrenzwert” (workplace limit value, Germany). # **WEL-STEL** = Workplace Exposure Limit – Short-term exposure limit (15-minute reference period). # **BMGV** = Biological monitoring guidance value EH40. **BGW** = “Biologischer Grenzwert” (biological limit value, Germany). # **Other information**: Sen = Capable of causing occupational asthma. # Sk = can be absorbed by skin. Carc = Capable of causing cancer and/or heritable generic damage.

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** = the exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.
VbF = Regulations for flammable liquids / MAK = Maximum concentration per work place in ml/m3 = ppm
BAT = Biological tolerance for work places / TRbF = Technical regulations for flammable liquids
WGK = water hazard class
WGK3 = very hazardous to water, WGK2 = hazardous to water, WGK1 = slightly hazardous to water
VOC = Volatile organic compounds (VOCV – Switzerland)
AOX – Adsorbable organic halogen compound
VwVwS = Administrative Order relating to substances hazardous to water (Germany).
DNEL – Derived No-Effect Level
PNEC – Predicted No-Effect Concentration

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The information given here is intended to describe the product with regard to the necessary safety precautions, they do not serve to guarantee certain properties and are based on the current state of our knowledge.

Supplementary information
In accordance with:
- Regulation (EU) No 453/2010 of 20 May 2010, Annex I.
- Regulation (EU) 2015/830;
- Regulation (EU) 2020/878: revised sections 2, 8, 15.
- Regulation (EU) 2020/878: revised sections 1, 15, 16.

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