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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	CHEMLINQ™ RCS-320
Applications:	Rubber Cleaning Sheet for Mold Maintenance
Advised Against	No further relevant information available
Supplier Name	Caplinq Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE/MIXTURE

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 2

LABEL ELEMENTS

Labeling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to the CLP regulation.

HAZARD PICTOGRAMS



Signal Word Danger

HAZARD STATEMENTS

H315	Causes skin irritation
H318	Causes serious eye damage
H351	Suspected of causing cancer

PREVENTION PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE PRECAUTIONARY STATEMENTS

P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment
P363	Wash contaminated clothing before reuse.

STORAGE PRECAUTIONARY STATEMENTS

P403	Store in a well-ventilated place.
P410	Avoid direct sunlight

DISPOSAL PRECAUTIONARY STATEMENTS

P501	Dispose of contents/container to an approved waste disposal plant in accordance with applicable local, state, and national laws

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)	Classification [1272/2008/EC]
1	Synthetic Rubber/1,3-Butadiene rubber	9003-17-2	55-65	Not classified
2	Silicon dioxide	112926-00-8	25~35	Not classified
3	Cleaning agent / Ethanolamine	141-43-5	3~8	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1B, H314
4	Titanium dioxide	13463-67-7	2~4	Cargo. 2, H351
5	2,5-Dimethyl-2,5-bis(tert-butylperoxy)hexane	78-63-7	1~3	Aquatic Choronic 2, H411 Org. Perox. Type D, H242 Flam. Liq. 3, H226
6	Stearic acid	57-11-4	0.5~1	Not classified

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Do not rub your eyes.
- Immediately flush with plenty of water for at least 15 minutes and call a doctor/physician.
- Remove contact lenses if worn.

SKIN CONTACT:

- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Wash contaminated clothing thoroughly before reusing
- Seek immediate medical attention from a medical professional.
- Wash hands thoroughly after handling.

INHALATION:

- Move the victim to fresh air.
- Administer oxygen if breathing is difficult.
- Get medical attention.

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INGESTION:

- Please advise the doctor whether or not the induction of vomiting is required.
- Rinse your mouth with water immediately.
- Get medical attention immediately.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- Inform medical personnel of the contamination incident and ensure they utilize appropriate protective equipment.
- In case of exposure or if concerned, seek immediate medical advice or attention.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Dry chemical, carbon dioxide, foam, and spray.
- Avoid the use of a water jet.

EXPOSURE HAZARDS

- Not available

ADVICE FOR FIREFIGHTERS

- Cool containers with water spray until well after the fire is extinguished.
- Avoid inhaling materials or combustion byproducts.
- Use extinguishing measures appropriate for the surrounding fire.
- Wear appropriate protective equipment.
- Implement firefighting procedures suitable for the surrounding area.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION

For non-emergency personnel

- Wear appropriate personal protective equipment (PPE).
- If required, notify relevant authorities in accordance with all applicable regulations.

For emergency responders

- Ventilate confined spaces before entry; approach from upwind and evacuate downwind personnel.
- If safe, move containers from the leak area; eliminate ignition sources.
- Avoid skin contact and inhalation; cleanup and disposal should be performed under expert supervision.

ENVIRONMENTAL PRECAUTION

- Prevent contamination of soil, drains, and surface of waters.
- If large amounts have been spilled and split, inform the relevant authorities.

METHODS OF CLEANING

For Containment

- Clean spills immediately; clear personnel and move upwind.
- Prevent spills from entering drains or watercourses; stop leaks if safe.

For Cleaning Up

- For large spills, stay upwind, avoid low areas, and dike
- Notify authorities when emissions meet limits
- Dispose of waste per local regulations; use appropriate containers for all spills
- Place the material in containers and clean the area.

Other Information

- Spilled material is slippery.

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SECTION 7. HANDLING AND STORAGE

HANDLING

- Comply with all applicable regulations and consult safety manuals before handling
- Ensure well-ventilated areas, and keep contaminated clothing within the workplace.

STORAGE

- Avoid direct heat, and store per regulations in original sealed containers
- Prevent static electricity near combustibles, and designate specific storage for carcinogens.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETER
Occupational exposure limits

No.	Components	Standards*	Reference
1	Synthetic Rubber/1,3-Butadiene rubber	Not established[1,2,3,4]	OSHA[1], ACGIH[2], NIOSH[3], EU IOELV[4]
2	Silicon dioxide	6 mg/m³ (TWA - total dust)[1]; 10 mg/m³ (TWA - inhalable fraction)[2]; 6 mg/m³ (TWA - total dust)[3]; Not established[4]	OSHA[1], ACGIH[2], NIOSH[3], EU IOELV[4]
3	Cleaning agent / Ethanolamine	3 ppm (TWA)[1]; 3 ppm (TWA), 6 ppm (STEL)[2]; 3 ppm (TWA), 6 ppm (STEL)[3]; 1 ppm (2.5 mg/m³) (TWA), 3 ppm (7.6 mg/m³) (STEL)[4]	OSHA[1], ACGIH[2], NIOSH[3], EU IOELV[4]
4	Titanium dioxide	15 mg/m³ (TWA - total dust)[1]; 10 mg/m³ (TWA - inhalable fraction)[2]; No established REL[3]; Not established[4]	OSHA[1], ACGIH[2], NIOSH[3], EU IOELV[4]
5	2,5-Dimethyl-2,5-bis(tert-butyl peroxy)hexane	100 ppm (TWA)[1]; 100 ppm (TWA), 125 ppm (STEL)[2]; 100 ppm (TWA), 125 ppm (STEL)[3]; Not established[4]	OSHA[1], ACGIH[2], NIOSH[3], EU IOELV[4]
6	Stearic acid	Not established[1,2,3,4]	OSHA[1], ACGIH[2], NIOSH[3], EU IOELV[4]

[1]Occupational Safety and Health Administration (OSHA) 8-hour total weight average (TWA) permissible exposure limit (PEL)
[2]American Conference of Governmental Industrial Hygienists (ACGIH) 8-hour total weight average (TWA) threshold limit value (TLV)
[3]National Institute for Occupational Safety and Health – Recommended Exposure Limit (NIOSH-REL)
[4]European Union – Indicative Occupational Exposure Limit Value (IOELV) Under Commission Directive 2006/15/EC

Recommended monitoring procedures
Effective ventilation and control measures, and the necessity of respiratory protective equipment, can be determined through personal, workplace, or biological monitoring.

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EXPOSURE CONTROLS

Appropriate Engineering Controls

Maintain recommended exposure limits through general exhaust ventilation of gases, vapors, mists, or fumes.

Individual Protection Measures, such as Personal Protective Equipment

Hand protection	Wear appropriate gloves.
Eye protection	Wear primary eye protection (splash-resistant safety goggles) with a secondary face shield. Provide an emergency eyewash station and quick-drench shower in the immediate work area.
Respiratory Protection	Respiratory protection may be required for frequent or heavy exposure. Use respiratory protection in order from minimum to maximum protection. Consider warning properties before use. Utilize dust, mist, and fume-purifying respirators, air-purifying respirators with high-efficiency particulate filters, or any respiratory protection with an electromotion fan. For unknown concentrations or immediate danger to life or health, use supplied-air respirators with full facepieces in pressure-demand or positive-pressure mode, or self-contained breathing apparatus with full facepieces and separate escape supply.
Skin protection	Wear appropriate clothing.

Environmental exposure controls

Do not let the product enter the drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White sheets (solid)
Odor	Mild ammonia
pH	10~10.5
Initial boiling point and boiling range	> 148 °C
Melting point/ Freezing point	Not Available
Flash point	Not Available
Vapor pressure at 20 °C	0.01 mm Hg
Flammable (Solid, gas)	Not Available
Autoignition temperature	Not Available
Solubility in water	Not Available
Explosive properties	Not Available
Vapour density	Not Available
Partition coefficient of n-octanol/water	Not Available
Temperature of decomposition	Not Available
Viscosity, dynamic	Not Available
Explosive Limits/ Upper/ Lower Famability	Not Applicable
Evaporation rate	Not Available
Oxidizing properties	Not Available
Relative Density	1.08~1.12 g/ml

SECTION 10. STABILITY & REACTIVITY

Reactivity	Not Available
Chemical Stability	Stable under normal conditions

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Non-incompatible material	Not known
Hazardous Decomposition Products	May emit flammable vapour if involved in fire
Conditions To Avoid	Heat, flame and incompatible material and conditions
Decomposition Products	Burning may release carbon dioxide and nitrogen oxides

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON HAZARD CLASSES AS DEFINED (EC) No 1272/2008

Ingredients	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Product (ATEmix)	2000mg/kg < ATEmix <= 5000mg/kg	>5000mg/kg	Not available
Silicon dioxide	>3300 mg/kg (Rat, OECD Guideline 401, GLP)	>5000 mg/kg (SIDS)	> 0.14 mg/L (Rat, OECD Guideline 403, GLP)
Cleaning agent	1089 mg/kg (Rat, OECD SIDS)	1000 - 2000 mg/kg	10 - 20 mg/L
Titanium dioxide	>10000 mg/kg (Rat, HSDB)	>10000 mg/kg (Rabbit, IUCLID)	> 3.43 mg/L (Rat, OECD TG 403)
2,5-Dimethyl-2,5-bis(tert-butylperoxy)hexane	>3200 mg/kg (Rat, ChemIDplus)	-	-

Skin corrosion/irritation	Causes severe skin burns and eye damage
Serious eye damage/irritation	Causes serious eye damage
Respiratory sensitization	Not available
Skin sensitization	Not available
Germ cell mutagenicity	Not available
Carcinogenicity	**IARC** [Silicon dioxide]: Group 3 (Silica, amorphous) [Titanium dioxide]: Group 2B **OSHA** Not available **ACGIH** [Titanium dioxide]: A4 **NTP** Not available **EU CLP** Not available
Reproductive toxicity	Not available
Specific target organ toxicity (single exposure)	Not available
Specific target organ toxicity (repeated exposure)	Not available
Aspiration hazard	Not available

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

Fish	
Silicon dioxide	LC50 10000 mg/l (96 hr, Danio rerio)
Titanium dioxide	LL50 >100 mg/l (96 hr, Oryzias latipes)
2,5-Dimethyl-2,5-bis(tert-butylperoxy)hexane	LC50 = 4.5 mg/l (96 hr, Oryzias latipes)
Invertebrate	
Silicon dioxide	EC50 >1000 mg/l (24 hr, Daphnia magna)

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Titanium dioxide	EC50 >100 mg/l (48 hr, Daphnia magna); 48h-EL50Daphnia magna>100 mg/L, 48h-EC50>100, 48h-EC10>91.2 mg/L
2,5-Dimethyl-2,5-bis(tert-butylperoxy)hexane	EC50 >1.41 mg/l (48 hr, Daphnia magna)
Algae	
Silicon dioxide	EC50 >10000 mg/l (72 hr, Desmodesmus subspicatus)
Titanium dioxide	ErL50 >100 mg/l (72 hr, Pseudokirchneriella subcapitata); 72h-ErL50 Pseudokirchneriella subcapitata >100 mg/L growth rate, static, 72h-EyL50 >100 mg/L 1 static

PERSISTENCE

Silicon dioxide	-3.89 log Kow (ECHA)
[2,5-Dimethyl-2,5-bis(tert-butylperoxy) hexane]	log Kow = 4.6 (NITE)

DEGRADABILITY Not available

BIOACCUMULATIVE POTENTIAL

Bioaccumulation

[2,5-Dimethyl-2,5-bis(tert-butylperoxy)hexane] BCF = 3690 (Has the potential bioaccumulation) (e-ChemPortal; CESAR)

Biodegradability Not available

MOBILITY IN SOIL

[2,5-Dimethyl-2,5-bis(tert-butylperoxy)hexane] Koc = 124200 (Can be adsorbed in the soil, Estimates)

RESULTS OF PBT AND VPVB ASSESSMENT Not available

SECTION 13. DISPOSAL CONSIDERATIONS

WATER TREATMENT METHODS

- Multiple designated waste types are mixed, and separation is impractical. Reduce or stabilize the waste through incineration or a similar process.
- If water separation is feasible, pre-process the waste using water separation techniques.
- Incinerate the waste for disposal.
- The product user must either dispose of the waste themselves or entrust it to a waste disposal service, a waste recycling facility, or an authorized waste disposal operator.
- Dispose of waste in compliance with all applicable laws and regulations.

SECTION 14. TRANSPORT INFORMATION

UN NUMBER OR ID NUMBER

ADR/RID/ADN	Not applicable
IMDG CODE/ IATA DGR	Not applicable
ICAO	Not applicable

PROPER SHIPPING NAME

ADR/RID/ADN	Not applicable
IMDG	Not applicable
IATA	Not applicable

TRANSPORT HAZARD CLASS

Hazard Class	Not applicable
Label	Not applicable

PACKING GROUP

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ADR/RID/ADN	Not applicable
IMDG CODE/ IATA DGR	Not applicable
ICAO	Not applicable

ENVIRONMENTAL HAZARDS

Marine pollutant	Not applicable
Special marking (ADR/RID/ADN)	Not applicable
Special marking (IATA)	Not applicable

SPECIAL PRECAUTIONS FOR USER	Not applicable
EmS FIRE SCHEDULE	Not applicable
EmS SPILLAGE SCHEDULE	Not applicable
Air transport(IATA)	Not subject to IATA regulations.

Local transport follows the Dangerous Goods Safety Management Law.
Packages and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.

SECTION 15. REGULATORY INFORMATION

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

REACH Restricted substance under REACH	Not applicable
REACH Substances subject to authorization under REACH	Not applicable
REACH SVHC	Not applicable
Europe PBT	Not applicable
European Union (EU) Transport of Dangerous Goods by Road - Dangerous Goods List	Not applicable

CHEMICAL SAFETY ASSESSMENT

Not conducted

SECTION 16. OTHER INFORMATION

INDICATION OF CHANGES
The Safety Data Sheet has been reviewed and the data therein were revised and laid out according the requirements of the Commission Regulation (EC) No. 1907/2006

ABBREVIATIONS AND ACRONYMS
- 1272/2008 CLP: Classification, Labelling and Packaging regulation.
- REACH: Registration, Evaluation and authorisation of chemical substances.
- DNEL: Derive no effects level
- PNEC: Predicted no effect concentration

KEY LITERATURE REFERENCES AND SOURCES FOR DATA
This Safety Data Sheet was compiled with data and information from the following sources: RTECS, ECOSAR, HSDB, SIDS SIAP, ChemWATCH, CESAR, Chemical DB

CLASSIFICATION PROCEDURE
The mixture classification has been derived based on the classification of the individual components in accordance with the rules set out in Regulation (EC) No 1272/2008 (CLP) as well as the translation tables in Annex VII to the same regulation.

TRAINING ADVICE

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Not applicable

FURTHER INFORMATION

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