

Surface and Whiteboard-Foam Cleaner

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

1.1 - Product identifier

Trade name/designation Surface and Whiteboard-Foam Cleaner
Chemical name
Product-type Mixture
Product code 270.400
UFI: DM00-Q0M3-Q00V-FRAP

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

1.3 - Details of the supplier of the safety data sheet

Lyreco Switzerland AG
Riedstrasse 4
CH-8953 Dietikon
Tel.:0800484484
<http://www.lyreco.com>

1.4 - Emergency telephone number

Germany: Intoxications Information Center; +49 761 19240
Switzerland: Swiss Toxicological Information Centre; +41 44 251 51 51
Austria: Intoxication information center; +43 1 406 43 43

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aerosol 1	Aerosol - Category 1
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2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Hydrocarbons, C3-4-rich, petroleum distillate, Petroleum gas, [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.] (CAS No.: 68512-91-4)

Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated

Precautionary statements

P102	Keep out of reach of children.
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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
EUH-phrases	: None

Regulation (EC) No. 648/2004 (Detergents regulation)

2.3 - Other hazards

Other hazards which do not result in classification - In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
- Chemical under pressure: may explode if heated.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

- Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas: Note K: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w 1,3 butadiene (EINECS 203-450-8).

Chemical name	No	%	Class(es)	Specific concentration limit
Hydrocarbons, C3-4-rich, petroleum distillate, Petroleum gas, [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.]	CAS No. : 68512-91-4 Index No. : 649-083-00-0 EC No. : 270-990-9	> 50 - < 100	Carc. 1A - H350 Flam. Gas 1 - H220 Muta. 1B - H340 Press. Gas	Not applicable
Alcohols, C12-14, ethoxylated	CAS No. : 68439-50-9 Index No. : EC No. : 500-213-3	< 1	Aquatic Chronic 1 - H410 Aquatic Chronic 2 - H411	Not applicable
sodium nitrite	CAS No. : 7632-00-0 Index No. : 007-010-00-4 EC No. : 231-555-9	< 1	Acute Tox. 3 Oral - H301 Aquatic Acute 1 - H400 Eye Irrit. 2 - H319 Ox. Liq. 3 - H272	Not applicable
N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride	CAS No. : Index No. : EC No. : 931-275-3	< 1	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411 Skin Corr. 1C - H314 STOT RE 2 - H373	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - No special measures are necessary.
- Provide fresh air.

Following skin contact - When in doubt or if symptoms are observed, get medical advice.

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After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media - ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Provide adequate ventilation.
- Remove all sources of ignition.

For emergency responders - No information available.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up - Ventilate affected area.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13

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- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- It is recommended to design all work processes always so that the following is excluded: Generation/formation of dust
- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols
- Vapours can form explosive mixtures with air.
- When using do not smoke.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Use only in well-ventilated areas.

Advices on general occupational hygiene

- No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed and in a well-ventilated place.
- Do not store together with: Combustible substance
- Protect against: Heat

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

DNEL / PNEC

N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride			
Type	Value	User	Effect
DNEL long-term oral (repeated)	0.9 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	2.2 mg/m ³	Workers	Systemic
DNEL long-term inhalative	3.1 mg/m ³	Consumers	Systemic
DNEL long-term dermal	1.25 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	0.9 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	0.02 mg/kg bw/day	Consumers	Local
PNEC sediment, freshwater	4.8 mg/kg		
PNEC sediment, marine water	0.48 mg/kg		
PNEC soil	0.61 mg/kg		
PNEC sewage treatment plant (STP)	190 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
- Do not eat, drink or smoke when using this product.
- Take off contaminated clothing and wash it before reuse.
- Wash hands before breaks and after work.

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Individual protection measures, such as personal protective equipment - Additional eye protection measures: In case of increased risk, additionally

Environmental exposure controls - Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	<u>Appearance</u>	<u>Aerosol characteristic</u>
gaseous	<u>Colour</u>	
	<u>Odour</u>	
Odour threshold	No data available	
pH	No data available	
Melting point	No data available	
Freezing point	No data available	
Boiling point	No data available	
Flash point	No data available	
Evaporation rate	No data available	
flammability	No data available	
Lower explosion limit	No data available	
Upper explosion limit	No data available	
Vapour pressure	3.1 hPa < V < 6.1 hPa	
Vapour density	No data available	
Relative density	No data available	
Density	0.9 g/cm ³ < V < 1 g/cm ³	
Solubility (Water)	practically insoluble	
Solubility (Ethanol)	No data available	
Solubility (Acetone)	No data available	
Solubility (Organic solvents)	No data available	
Log KOC	No data available	
Auto-ignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	10 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

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10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- In case of warming: Ignition hazard

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Toxicity : Substances

Alcohols, C12-14, ethoxylated (68439-50-9)	
LD50 oral (rat)	> 2000 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
LC50 inhalation dusts and mists (rat)	> 1.6 mg/l
sodium nitrite (7632-00-0)	
LD50 oral (rat)	180 mg/kg
LC50 inhalation dusts and mists (rat)	0.095 mg/l
N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride ()	
LD50 oral (rat)	200 mg/kg < V < 2000 mg/kg

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

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Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Alcohols, C12-14, ethoxylated (68439-50-9)

LC50 96 hr fish	1.2 mg/l
NOEC chronic fish	0.16 mg/l

sodium nitrite (7632-00-0)

LC50 96 hr fish	0.54 mg/l < V < 26.3 mg/l
ErC50 algae	0 mg/l < V < 100 mg/l

- Harmful to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

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12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation. - Completely emptied packages can be recycled. - packaging containing residues of or contaminated by dangerous substances - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- Dispose according to legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

<u>UN number (ADR)</u>	:	UN1950
<u>UN number (RID)</u>	:	UN1950
<u>UN number (ADN)</u>	:	UN1950
<u>UN number (IMDG)</u>	:	UN1950
<u>UN number (IATA)</u>	:	UN1950

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	AEROSOLS
<u>UN proper shipping name (RID)</u>	:	AEROSOLS
<u>UN proper shipping name (ADN)</u>	:	AEROSOLS
<u>UN proper shipping name (IMDG)</u>	:	AEROSOLS
<u>UN proper shipping name (IATA)</u>	:	AEROSOLS, FLAMMABLE

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14.3 - Transport hazard class(es)

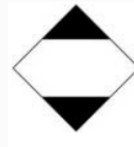
ADR Transport hazard class(es) : 2

ADR Classification code: : 5F

Pictograms

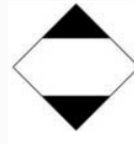
Transport hazard class(es) (RID) : 2

Pictograms



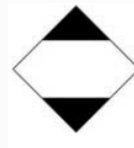
Transport hazard class(es) (ADN) : 2

Pictograms



Transport hazard class(es) (IMDG) : 2

Pictograms



Transport hazard class(es) (IATA) : 2

Pictograms



14.4 - Packing group

Packing group :

Packing group (RID) :

Packing group (ADN) :

Packing group (IMDG) :

Packing group (IATA) :

14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

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14.6 - Special precautions for user

ADR

<u>ADR Classification code:</u>	:	5F
<u>ADR Special provisions</u>	:	190+327+344+625
<u>ADR Limited quantity (LQ)</u>	:	1L
<u>ADR Excepted quantities</u>	:	E0
<u>ADR Packing instructions</u>	:	P207 LP200
<u>ADR Special packing provisions</u>	:	PP87 RR6 L2
<u>ADR Mixed packing provisions</u>	:	MP9
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>ADR tank code</u>	:	
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	D
<u>ADR Special provisions loading, unloading and handling</u>	:	CV9 CV12
<u>Special provisions - Packages</u>	:	V14
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2
<u>ADR Hazard identification number (Kemler No.)</u>	:	

RID

<u>Special provisions</u>	:	190 327 344 625
<u>Limited quantity (LQ)</u>	:	1 L
<u>Excepted quantities</u>	:	

ADN

<u>Special provisions</u>	:	190 327 344 625
<u>Limited quantity (LQ)</u>	:	LQ 2
<u>Excepted quantities</u>	:	

IMDG

<u>Special provisions</u>	:	63 190 277 327 344 381 959
<u>Limited quantity (LQ)</u>	:	See SP277
<u>Excepted quantities</u>	:	E0
<u>Packing instructions</u>	:	P207 LP200
<u>Special packing provisions</u>	:	PP87 L2
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	F-D, S-U
<u>Stowage and handling</u>	:	Category None SW1 SW22
<u>Segregation</u>	:	SG69

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<u>Properties and observations</u>	:	
IATA		
<u>PCA - Excepted quantities</u>	:	E0
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y203
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	30kg
<u>PCA - Packing Instructions</u>	:	203
<u>PCA - Maximum Net Quantity per Package</u>	:	75kg
<u>CAO - Packing Instructions</u>	:	203
<u>CAO - Maximum Net Quantity per Package</u>	:	150kg
<u>Special Provisions</u>	:	A145 A167 A802
<u>ERG Code</u>	:	10L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	10 %

Regulation (EC) No. 648/2004 (Detergents regulation)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	11/24/2022		

Texts of the regulatory sentences

Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aerosol 1	Aerosol - Category 1
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Carc. 1A	Carcinogenicity - Category 1A
Eye Irrit. 2	Eye irritation - Category 2
Flam. Gas 1	Flammable gas. - Category 1
H220	Extremely flammable gas
H222	Extremely flammable aerosol

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H229	Pressurised container: May burst if heated
H272	May intensify fire; oxidiser
H301	Toxic if swallowed
H319	Causes serious eye irritation
H340	May cause genetic defects - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
H350	May cause cancer - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
Muta. 1B	Germ cell mutagenicity - Category 1B
Ox. Liq. 3	Oxidising liquids - Category 3
Press. Gas	Gases under pressure
Skin Corr. 1C	Skin corrosion, Category 1C
STOT RE 2	STOT-repeated exposure - Category 2

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