



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

## D74 Magnum Wheel Cleaner

version number GHS 5.0.

revision 2018-11-02.

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

- 1.1 Product identifier**  
**Trade name** D74 Magnum Wheel Cleaner  
**Registration number (REACH)** Not relevant (mixture)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**Relevant identified uses** Tire and wheel cleaner  
**Uses advised against** Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.
- 1.3 Details of the supplier of the safety data sheet**  
B&B Blending, LLC  
10963 Leroy Drive  
Northglenn  
CO 80233  
United States  
  
telephone  
1.800.875.6320, 1.303.289.6320  
e-mail: info@bbblending.com  
website  
bbblending.com  
**e-mail (competent person)** Btirrell@bbblending.com  
(Beth Tirrell)
- 1.4 Emergency telephone number**  
**Emergency information service** USA 1.800.535.5053, INTL 1.352.323.3500  
24 hour emergency number

### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008 (CLP)**

Section	Hazard class	Cat-egory	Hazard class and category	Hazard state-ment
2.16	Substance or mixture corrosive to metals	1	Met. Corr. 1	H290
3.2	Skin corrosion/irritation	1B	Skin Corr. 1B	H314
3.3	Serious eye damage/eye irritation	1	Eye Dam. 1	H318
4.1C	Hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16

#### The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Spillage and fire water can cause pollution of watercourses.

- 2.2 Label elements**  
**Labelling according to Regulation (EC) No 1272/2008 (CLP)**

**Signal word** Danger

**Pictograms**

**GHS05**





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### Hazard statements

- H290** May be corrosive to metals.  
**H314** Causes severe skin burns and eye damage.  
**H412** Harmful to aquatic life with long lasting effects.

### Precautionary statements

- P260** Do not breathe dust/fume/gas/mist/vapours/spray.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.  
**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P390** Absorb spillage to prevent material damage.  
**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazardous ingredients for labelling

N,N-Diethoxylated-N-coco-N-methylammonium chloride  
Sodium hydroxide  
Sodium metasilicate, anhydrous  
Alcohols, C9-11 ethoxylated

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

#### Description of the mixture

Hazardous ingredients acc. to GHS				
Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
N,N-Diethoxylated-N-coco-N-methylammonium chloride	CAS No 61791-10-4  EC No 612-393-1	3 - < 12	Eye Dam. 1 / H318 Aquatic Chronic 2 / H411	
sodium metasilicate, anhydrous	CAS No 6834-92-0  EC No 229-912-9	3 - < 12	Skin Corr. 1B / H314 Eye Dam. 1 / H318 STOT SE 3 / H335	GHS-HC
sodium hydroxide	CAS No 1310-73-2  EC No 215-185-5	3 - < 12	Met. Corr. 1 / H290 Skin Corr. 1A / H314 Eye Dam. 1 / H318	
Alcohols, C9-11 ethoxylated	CAS No 68439-46-3	3 - < 12	Eye Dam. 1 / H318	
1-butoxypropan-2-ol	CAS No 5131-66-8  EC No 225-878-4	1 - < 3	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319	



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Hazardous ingredients acc. to GHS				
Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
EDTA, anhydrous	CAS No 64-02-8  EC No 200-573-9	1 - <3	Acute Tox. 4 / H302 Acute Tox. 4 / H332 Eye Dam. 1 / H318 STOT RE 2 / H373	

### Notes

GHS-HC:Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

For full text of abbreviations: see SECTION 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray. Alcohol resistant foam. BC-powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

Water jet.

### 5.2 Special hazards arising from the substance or mixture

Substance or mixture corrosive to metals.

#### Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>). Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).



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### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

#### Advices on how to contain a spill

Covering of drains.

#### Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). collect spillage  
sawdust  
kieselgur (diatomite)  
sand  
universal binder

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas. Never add water to this product.

#### Handling of incompatible substances or mixtures

Do not mix with acids.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Managing of associated risks

#### Corrosive conditions

Store in corrosive resistant container with a resistant inner liner.



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### Control of effects

**Protect against external exposure, such as**

Frost.

### Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
GB	sodium hydroxide	1310-73-2	WEL				2				EH40/2005

#### Notation

Ceiling-C Ceiling value is a limit value above which exposure should not occur

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sodium metasilicate, anhydrous	6834-92-0	DNEL	6.22 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
sodium metasilicate, anhydrous	6834-92-0	DNEL	1.49 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
sodium hydroxide	1310-73-2	DNEL	1 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
Alcohols, C9-11 ethoxylated	68439-46-3	DNEL	2,080 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Alcohols, C9-11 ethoxylated	68439-46-3	DNEL	294 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
1-butoxypropan-2-ol	5131-66-8	DNEL	44 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
1-butoxypropan-2-ol	5131-66-8	DNEL	270.5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
EDTA, anhydrous	64-02-8	DNEL	1.5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
EDTA, anhydrous	64-02-8	DNEL	1.5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects



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Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Alcohols, C9-11 ethoxylated	68439-46-3	PNEC	0.1038 mg/l	aquatic organisms	freshwater	short-term (single instance)
Alcohols, C9-11 ethoxylated	68439-46-3	PNEC	0.1038 mg/l	aquatic organisms	marine water	short-term (single instance)
Alcohols, C9-11 ethoxylated	68439-46-3	PNEC	1.4 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
Alcohols, C9-11 ethoxylated	68439-46-3	PNEC	13.7 mg/kg	benthic organisms	sediments	short-term (single instance)
Alcohols, C9-11 ethoxylated	68439-46-3	PNEC	13.7 mg/kg	pelagic organisms	sediments	short-term (single instance)
Alcohols, C9-11 ethoxylated	68439-46-3	PNEC	1 mg/kg	terrestrial organisms	soil	short-term (single instance)
Alcohols, C9-11 ethoxylated	68439-46-3	PNEC	0.014 mg/l	aquatic organisms	water	intermittent release
1-butoxypropan-2-ol	5131-66-8	PNEC	0.525 mg/l	aquatic organisms	freshwater	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	0.0525 mg/l	aquatic organisms	marine water	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	2.36 mg/kg	benthic organisms	sediments	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	0.16 mg/kg	terrestrial organisms	soil	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	5.25 mg/l	aquatic organisms	water	intermittent release
1-butoxypropan-2-ol	5131-66-8	PNEC	0.236 mg/kg	pelagic organisms	sediments	short-term (single instance)
EDTA, anhydrous	64-02-8	PNEC	2.2 mg/l	aquatic organisms	freshwater	short-term (single instance)
EDTA, anhydrous	64-02-8	PNEC	43 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
EDTA, anhydrous	64-02-8	PNEC	0.72 mg/kg	terrestrial organisms	soil	short-term (single instance)
EDTA, anhydrous	64-02-8	PNEC	1.2 mg/l	aquatic organisms	water	intermittent release
EDTA, anhydrous	64-02-8	PNEC	0.22 mg/l	aquatic organisms	marine water	short-term (single instance)

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.



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### Skin protection

### Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

### Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	Liquid
Colour	Purple
Odour	Fruity

#### Other safety parameters

PH (value)	13.5 (25 °C) Base
Melting point/freezing point	Not determined
Initial boiling point and boiling range	100 °C
Flash point	>100 °C at 961.3 mbar
Evaporation rate	Not determined
Flammability (solid, gas)	Not relevant Fluid
Explosive limits	Not determined
Vapour pressure	31.69 hPa at 25 °C
Density	1.06 g/cm <sup>3</sup>
Vapour density	This information is not available

#### Solubility(ies)

Water solubility	Miscible in any proportion
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#### Partition coefficient

- n-octanol/water (log KOW)	This information is not available
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<b>Auto-ignition temperature</b>	260 °C
<b>Viscosity</b>	Not determined
<b>Explosive properties</b>	None
<b>Oxidising properties</b>	None

### 9.2 Other information

<b>Temperature class (EU, acc. to ATEX)</b>	T3 Maximum permissible surface temperature on the equipment: 200°C
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". Substance or mixture corrosive to metals.

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Oxidisers.

#### Release of flammable materials with

Light metals (due to the release of hydrogen in an acid/alkaline medium).

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

#### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4. May be harmful if inhaled.

<b>Acute toxicity estimate (ATE) of components of the mixture</b>			
Name of substance	CAS No	Exposure route	ATE
EDTA, anhydrous	64-02-8	oral	1,913 mg/kg
EDTA, anhydrous	64-02-8	inhalation: dust/mist	1.5 mg/l/4h





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### Skin corrosion/irritation

Causes severe skin burns and eye damage.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sodium metasilicate, anhydrous	6834-92-0	EC50	>100 mg/l	microorganisms	3 h
1-butoxypropan-2-ol	5131-66-8	EC50	>1,000 mg/l	microorganisms	3 h
EDTA, anhydrous	64-02-8	EC50	625 mg/l	aquatic invertebrates	24 h

### 12.2 Persistence and degradability

Degradability of components of the mixture						
Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
N,N-Diethoxylated-N-coco-N-methylammonium chloride	61791-10-4	oxygen depletion	18 %	28 d		
1-butoxypropan-2-ol	5131-66-8	DOC removal	10.4 %	7 d		
1-butoxypropan-2-ol	5131-66-8	carbon dioxide generation	67 - 68 %	7 d		

### 12.3 Bioaccumulative potential

Data are not available.



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### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Alcohols, C9-11 ethoxylated	68439-46-3		3.75	
1-butoxypropan-2-ol	5131-66-8		1.2 (20 °C)	
EDTA, anhydrous	64-02-8	1.8		

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

Data are not available.

#### 12.6 Other adverse effects

##### Endocrine disrupting potential

None of the ingredients are listed.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

##### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

##### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

14.1	<b>UN number</b>	<b>3266</b>
14.2	<b>UN proper shipping name</b>	<b>CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.</b>
	<b>Technical name</b>	Hazardous ingredients Sodium hydroxide Sodium metasilicate, anhydrous
14.3	<b>Transport hazard class(es)</b>	
	<b>Class</b>	<b>8 Corrosive substances</b>
14.4	<b>Packing group</b>	II Substance presenting medium danger
14.5	<b>Environmental hazards</b>	Non-environmentally hazardous acc. to the dangerous goods regulations
14.6	<b>Special precautions for user</b>	Provisions for dangerous goods (ADR) should be complied within the premises.
14.7	<b>Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	The cargo is not intended to be carried in bulk.
14.8	<b>Information for each of the UN Model Regulations</b>	
	<b>Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)</b>	
	<b>UN number</b>	3266
	<b>Proper shipping name</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.



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**Class** 8  
**Classification code** C5  
**Packing group** II  
**Danger label(s)** 8



**Special provisions (SP)** 274  
**Excepted quantities (EQ)** E2  
**Limited quantities (LQ)** 1 L  
**Transport category (TC)** 2  
**Tunnel restriction code (TRC)** E  
**Hazard identification No** 80  
**Emergency Action Code** 2X

**International Maritime Dangerous Goods Code (IMDG)**

**UN number** 3266  
**Proper shipping name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Class** 8  
**Marine pollutant** -  
**Packing group** II  
**Danger label(s)** 8



**Special provisions (SP)** 274  
**Excepted quantities (EQ)** E2  
**Limited quantities (LQ)** 1 L  
**EmS** F-A, S-B  
**Stowage category** B  
**Segregation group** 18 - Alkalis

**International Civil Aviation Organization (ICAO-IATA/DGR)**

**UN number** 3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s.  
**Class** 8  
**Packing group** II  
**Danger label(s)** 8



**Special provisions (SP)** A3  
**Excepted quantities (EQ)** E2  
**Limited quantities (LQ)** 0,5 L



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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU) Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)					
Name of substance	Name acc. to inventory	CAS No	Type of registration	Restriction	No
D74 Magnum Wheel Cleaner	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
sodium hydroxide	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
1-butoxypropan-2-ol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
EDTA, anhydrous	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
N,N-Diethoxylated-N-coco-N-methylammonium chloride	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
Alcohols, C9-11 ethoxylated	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
sodium metasilicate, anhydrous	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3

#### Legend

- R3
- Shall not be used in:
    - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
    - tricks and jokes,
    - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
  - Articles not complying with paragraph 1 shall not be placed on the market.
  - Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
    - can be used as fuel in decorative oil lamps for supply to the general public, and,
    - present an aspiration hazard and are labelled with R65 or H304,
  - Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
  - Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
    - (a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
    - (b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
    - (c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
  - No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.
  - Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

#### List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list

none of the ingredients are listed



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### Deco-Paint Directive (2004/42/EC)

VOC content	9.16 %
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### Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content	9.16 %
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### Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

none of the ingredients are listed

### Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

### Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

none of the ingredients are listed

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
3.2		Hazardous ingredients acc. to GHS: change in the listing (table)	yes
4.1	Following eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.	Following eye contact: Remove contact lenses, if present and easy to do. Continue rinsing.	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
12.3		Bioaccumulative potential of components of the mixture: change in the listing (table)	yes
14.1	UN number: 3266 Not required	UN number: 3266	yes
15.1		Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table)	yes
16		Abbreviations and acronyms: change in the listing (table)	yes



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### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
Met. Corr.	Substance or mixture corrosive to metals
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals



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Abbr.	Descriptions of used abbreviations
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
SVHC	Substance of Very High Concern
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties. The classification is based on tested mixture.  
Health hazards. Environmental hazards. The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.