



Safety Data Sheet

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

D71 All Wheel Cleaner

Version number: GHS 2.0
Replaces version of: 2017-07-28 (GHS 1)

revision: 2018-09-04

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

1.1 Product identifier

Trade name **D71 All 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 all-purpose cleaner
Uses advised against do not use for products which come into contact with the food stuffs
do not use for private purposes (household)

1.3 Details of the supplier of the safety data sheet

B&B Blending, LLC
10963 Leroy Drive
CO 80233 Northglenn
United States

Telephone: 1.800.875.6320, 1.303.289.6320
e-mail: info@bbblending.com
Website: bbblending.com

Competent person responsible for the safety data sheet Beth Tirrell
e-mail (competent person) btirrell@bbblending.com

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
3.2	skin corrosion/irritation	Cat. 2	(Skin Irrit. 2)	H315
3.3	serious eye damage/eye irritation	Cat. 2	(Eye Irrit. 2)	H319
3.6	carcinogenicity	Cat. 2	(Carc. 2)	H351

Remarks

For full text of H-phrases: see SECTION 16.

2.2 Label elements

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

Signal word

Warning

Pictograms

GHS07, GHS08



Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.



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Precautionary statements

Precautionary statements - prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment (see on this label).

P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary statements - disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous ingredients for labelling: trisodium nitrilotriacetate

2.3 Other hazards

There is no additional information.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC
trisodium nitrilotriacetate	CAS No 18662-53-8 5064-31-3 EC No 225-768-6	3 - < 12	Acute Tox. 4 / H302 Eye Irrit. 2 / H319 Carc. 2 / H351
proprietary nonionic surfactant blend		3 - < 12	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319
sodium metasilicate, anhydrous	CAS No 6834-92-0 EC No 229-912-9	1 - < 3	Skin Corr. 1B / H314 Eye Dam. 1 / H318 STOT SE 3 / H335

Exact percentage of ingredients is withheld as a trade secret. 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.



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Following skin contact

Wash with plenty of soap and water.

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 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 (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

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.



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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.

- **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 feed-stuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

Incompatible substances or mixtures

Observe hints for combined storage.

- **Control of effects**

- **Protect against external exposure, such as**

frost

Consideration of other advice

- **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

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

- **relevant DNELs of components of the mixture**

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
trisodium nitrilotriacetate	18662-53-8 5064-31-3	DNEL	9.6 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
trisodium nitrilotriacetate	18662-53-8 5064-31-3	DNEL	3.2 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects



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Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sodium metasilicate, anhydrous	6834-92-0	DNEL	6.22 mg/m ³	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

• relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
trisodium nitrilotriacetate	18662-53-8 5064-31-3	PNEC	270 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
trisodium nitrilotriacetate	18662-53-8 5064-31-3	PNEC	0.93 mg/l	aquatic organisms	freshwater	short-term (single instance)
trisodium nitrilotriacetate	18662-53-8 5064-31-3	PNEC	0.093 mg/l	aquatic organisms	marine water	short-term (single instance)
trisodium nitrilotriacetate	18662-53-8 5064-31-3	PNEC	270 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
trisodium nitrilotriacetate	18662-53-8 5064-31-3	PNEC	0.8 mg/l	aquatic organisms	water	intermittent release

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

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.



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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	red
Odour	cinnamon

Other physical and chemical parameters

pH (value)	13 (25 °C) (base)
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapour pressure	31.69 hPa at 25 °C
Density	1.07 g/cm ³ at 25 °C
Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	>200 °C (auto-ignition temperature (liquids and gases)) >200 °C (relative self-ignition temperature for solids)
Viscosity	not determined
Explosive properties	none
Oxidising properties	none
Other information	There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

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.

Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

10.5 Incompatible materials

oxidisers

Release of flammable materials with

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



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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.

• Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
trisodium nitrilotriacetate	18662-53-8 5064-31-3	oral	1,740 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Suspected of causing cancer.

Shall not be classified as germ cell mutagenic.

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
trisodium nitrilotriacetate	18662-53-8 5064-31-3	LC50	114 mg/l	fish	96 h
trisodium nitrilotriacetate	18662-53-8 5064-31-3	EC50	98 mg/l	aquatic invertebrates	96 h
trisodium nitrilotriacetate	18662-53-8 5064-31-3	ErC50	>91.5 mg/l	algae	72 h



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Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sodium metasilicate, anhydrous	6834-92-0	LC50	310 mg/l	fish	96 h
sodium metasilicate, anhydrous	6834-92-0	EC50	1,700 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic)

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

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
trisodium nitrilotriacetate	18662-53-8 5064-31-3	DOC removal	50 %	9 d

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
trisodium nitrilotriacetate	18662-53-8 5064-31-3		-10.08 (25 °C)	

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

Data are not available.

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.



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SECTION 14: Transport information

14.1	UN number	3266
14.2	UN proper shipping name Hazardous ingredients	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. sodium metasilicate, anhydrous
14.3	Transport hazard class(es) Class	8 (corrosive substances)
14.4	Packing group	III (substance presenting low danger)
14.5	Environmental hazards	none (non-environmentally hazardous acc. to the dangerous goods regulations)
14.6	Special precautions for user Provisions for dangerous goods (ADR) should be complied within the premises.	
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code The cargo is not intended to be carried in bulk.	

Information for each of the UN Model Regulations

• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN number	3266
Proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Class	8
Classification code	C5
Packing group	III
Danger label(s)	8



Special provisions (SP)	274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
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
Packing group	III
Danger label(s)	8



Special provisions (SP)	223, 274
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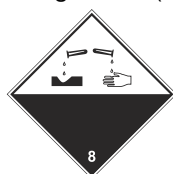
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Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-B
Stowage category	A
Segregation group	18 - Alkalis
• International Civil Aviation Organization (ICAO-IATA/DGR)	
UN number	3266
Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s.
Class	8
Packing group	III
Danger label(s)	8



Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	1 L

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

Name acc. to inventory	CAS No	Type of registration	Restriction	No
this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		1907/2006/EC annex XVII	R3	3
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:
 - 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';



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Legend

- (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.
6. 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.
7. 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.

• Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)

VOC content 8.833 %

• Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content 8.833 %

• 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.

• Regulation 648/2004/EC on detergents

Labelling of contents	
Constituents	Weight % content (or range)
NTA (nitrilotriacetic acid) and salts thereof	5 % or over but less than 15 %

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

16.1 Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.2		Uses advised against: do not use for products which come into contact with the food stuffs do not use for private purposes (household)	yes
1.3	Competent person responsible for the safety data sheet: Robert Blahnik	Competent person responsible for the safety data sheet: Beth Tirrell	yes
1.3	e-mail (competent person): bblahnik@bbblending.com	e-mail (competent person): btirrell@bbblending.com	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.4	Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500 This number is only available during the following of- fice hours: Mon-Fri 09:00 AM - 05:00 PM	Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency number	yes
3.2		Description of the mixture: change in the listing (table)	yes
7.2		Consideration of other advice	yes
7.2		• Packaging compatibilities: Only packagings which are approved (e.g. acc. to ADR) may be used.	yes
8.1		• relevant DNELs of components of the mixture: change in the listing (table)	yes
9.1	Flammability (solid, gas): not relevant (fluid) non-flammable	Flammability (solid, gas): not relevant (fluid)	yes
9.1	Auto-ignition temperature: >200 °C	Auto-ignition temperature: >200 °C (auto-ignition temperature (liquids and gases)) >200 °C (relative self-ignition temperature for solids)	yes
9.1		Other information: There is no additional information.	yes
10.5	Incompatible materials: There is no additional information.	Incompatible materials: oxidisers	yes
11.1	Classification according to GHS (1272/2008/EC, CLP): This mixture does not meet the criteria for classifica- tion in accordance with Regulation No 1272/2008/ EC.	Classification according to GHS (1272/2008/EC, CLP)	yes
11.1		• Acute toxicity of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mix- ture: change in the listing (table)	yes
12.1	Biodegradation: The relevant substances of the mixture are readily biodegradable.		yes
12.1		Aquatic toxicity (chronic)	yes
12.1		Aquatic toxicity (chronic) of components of the mix- ture	yes
12.1		Aquatic toxicity (chronic) of components of the mix- ture: change in the listing (table)	yes
12.2	Persistence and degradability: Data are not available.	Persistence and degradability	yes
12.6		Endocrine disrupting potential: None of the ingredients are listed.	yes
14.1	UN number: (not subject to transport regulations)	UN number: 3266	yes
14.2	UN proper shipping name: not relevant	UN proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.2		Hazardous ingredients: sodium metasilicate, anhydrous	yes
14.3	Class: -	Class: 8 (corrosive substances)	yes
14.4	Packing group: not relevant	Packing group: III (substance presenting low danger)	yes
14.6	Special precautions for user: There is no additional information.	Special precautions for user: Provisions for dangerous goods (ADR) should be complied within the premises.	yes
14.7		Information for each of the UN Model Regulations	yes
14.7		• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)	yes
14.7		UN number: 3266	yes
14.7		Proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	yes
14.7		Class: 8	yes
14.7		Classification code: C5	yes
14.7		Packing group: III	yes
14.7		Danger label(s): 8	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): 274	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 L	yes
14.7		Transport category (TC): 3	yes
14.7		Tunnel restriction code (TRC): E	yes
14.7		Hazard identification No: 80	yes
14.7		Emergency Action Code: 2X	yes
14.7		• International Maritime Dangerous Goods Code (IMDG)	yes
14.7		UN number: 3266	yes
14.7		Proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	yes
14.7		Class: 8	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7		Packing group: III	yes
14.7		Danger label(s): 8	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): 223, 274	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 L	yes
14.7		EmS: F-A, S-B	yes
14.7		Stowage category: A	yes
14.7		Segregation group: 18 - Alkalis	yes
14.7		• International Civil Aviation Organization (ICAO-IATA/DGR)	yes
14.7		UN number: 3266	yes
14.7		Proper shipping name: Corrosive liquid, basic, inorganic, n.o.s.	yes
14.7		Class: 8	yes
14.7		Packing group: III	yes
14.7		Danger label(s): 8	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): A3	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 1 L	yes
15.1		• Restrictions according to REACH, Annex XVII	yes
15.1		• Restrictions according to REACH, Annex XVII: change in the listing (table)	yes
15.1		• List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list: None of the ingredients are listed.	yes
15.1	VOC content: 0 %	VOC content: 8.833 %	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1		• 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.	yes
15.1		• Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): None of the ingredients are listed.	yes
15.1		• Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD): None of the ingredients are listed.	yes
16.2		Abbreviations and acronyms: change in the listing (table)	yes
16.2		List of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table)	yes

16.2 Abbreviations and acronyms

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)
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
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)
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



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Abbreviations and acronyms	
Abbr.	Descriptions of used abbreviations
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")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
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
STOT SE	Specific target organ toxicity - single exposure
SVHC	Substance of Very High Concern
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

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
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.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.



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Disclaimer

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