



# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## Special Concentrate Cleaner

Version number: GHS 1.0

Date of compilation: 2015-04-06

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

#### 1.1 Product identifier

Trade name **Special Concentrate Cleaner**

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

Relevant identified uses all-purpose cleaner  
concentrate

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

Telefax e-mail: info@bbblending.com

Website: bbblending.com

Competent person responsible for the SDS

Robert Blahnik

e-mail (competent person)

bblahnik@bbblending.com

#### 1.4 Emergency telephone number

Emergency information service

**USA 1.800.535.5053, INTL 1.352.323.3500**  
24 hour emergency telephone number.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Annex	-	Hazard class and category	-	Hazard statement code(s)	
A.2		skin corrosion/irritation		Cat. 1A (Skin Corr. 1A)	H314
A.3		serious eye damage/eye irritation		Cat. 1 (Eye Dam. 1)	H318

##### Remarks

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

##### Hazards not otherwise classified

Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).

##### 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.

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### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

**Signal word**                      **danger**

**Pictograms**

GHS05



**Hazard statements**

H314                                      Causes severe skin burns and eye damage.

**Precautionary statements**

**Precautionary statements - prevention**

Do not breathe dust/fume/gas/mist/vapors/spray.

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

**Precautionary statements - response**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment (see on this label).

**Precautionary statements - disposal**

Dispose of contents/container to industrial combustion plant.

**Hazardous ingredients for labelling**

sodium metasilicate, anhydrous, Alcohols, C9-11 ethoxylated

### 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%	Hazard class and category	Hazard statement	Pictograms
1-butoxypropan-2-ol	CAS No 5131-66-8	1 - < 5	B.6    Flam. Liq. 4 A.2    Skin Irrit. 2 A.3    Eye Irrit. 2A	H227 H315 H319	
Alcohols, C9-11 ethoxylated	CAS No 68439-46-3	1 - < 5	A.3    Eye Dam. 1	H318	

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Name of substance	Identifier	Wt%	Hazard class and category	Hazard statement	Pictograms
sodium metasilicate, anhydrous	CAS No 6834-92-0	1 - < 5	A.1O Acute Tox. 4 A.2 Skin Corr. 1A A.3 Eye Dam. 1 A.8R STOT SE 3	H302 H314 H318 H335	

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

In case of respiratory tract irritation, consult a physician. Provide fresh air.

##### Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

##### Following eye contact

Irrigate copiously with clean, fresh water, holding the eyelids apart. 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.

### 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

##### 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 vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

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

#### Reference to other sections

Hazardous combustion products: see section 5. Personal precautions: 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.

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### Advice on general occupational hygiene

Wash hands after use. Do not to 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

#### Incompatible substances or mixtures

Observe compatible storage of chemicals.

#### Control of the 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)

#### Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

### 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.



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### • 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
Color	yellow
Odor	fresh

#### Other physical and chemical parameters

pH (value)	12.8 - 12.9 at 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 (closed cup)
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapor pressure	31.69 hPa at 25 °C
Density	1.05 g/cm <sup>3</sup> 8.7 lbs/USGal
Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	260 °C
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

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### 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

There is no additional information.

#### Release of flammable materials with

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

#### 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 acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

#### Acute toxicity

Shall not be classified as acutely toxic.

#### Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
sodium metasilicate, anhydrous	6834-92-0	oral	1,280

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

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### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

### Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

#### Carcinogenicity

- National Toxicology Program (United States): none of the ingredients are listed

### 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

#### Aquatic toxicity (acute)

Shall not be classified as hazardous to the aquatic environment.

#### Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
1-butoxypropan-2-ol	5131-66-8	EC50	>1,000 mg/l	aquatic invertebrates	48 hours
Alcohols, C9-11 ethoxylated	68439-46-3	LC50	7 mg/l	fish	96 hours
Alcohols, C9-11 ethoxylated	68439-46-3	EC50	2.5 mg/l	aquatic invertebrates	48 hours

#### Aquatic toxicity (chronic)

#### Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
1-butoxypropan-2-ol	5131-66-8	EC50	>1,000 mg/l	microorganisms	3 h

### 12.2 Process of degradability

Data are not available.



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### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
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.

### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
1-butoxypropan-2-ol	5131-66-8		1.2	
Alcohols, C9-11 ethoxylated	68439-46-3		3.75	

### 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.

## 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/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### 13.3 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

<b>14.1</b>	UN number	<b>1760</b>
<b>14.2</b>	UN proper shipping name	<b>CORROSIVE LIQUID, N.O.S.</b>
	<b>Hazardous constituents</b>	sodium metasilicate, anhydrous
<b>14.3</b>	Transport hazard class(es)	
	Class	8 (corrosive substances)
<b>14.4</b>	Packing group	II (substance presenting medium danger)
<b>14.5</b>	Environmental hazards	none (non-environmentally hazardous acc. to the dangerous goods regulations)
<b>14.6</b>	<b>Special precautions for user</b>	
	There is no additional information.	
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	
	The cargo is not intended to be carried in bulk.	
<b>14.8</b>	<b>Information for each of the UN Model Regulations</b>	
	<b>• Transport of dangerous goods by road or rail (49 CFR US DOT)</b>	
	Index number	1760
	Proper shipping name	Corrosive liquid, n.o.s.
	Class	8
	Packing group	II
	Danger label(s)	8
		
	Special provisions (SP)	B2, IB2, T11, TP2, TP27
	ERG No	154
	<b>• International Maritime Dangerous Goods Code (IMDG)</b>	
	UN number	1760
	Proper shipping name	CORROSIVE LIQUID, N.O.S.
	Class	8
	Subsidiary risk(s)	-
	Packing group	II
	Danger label(s)	8

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Special provisions (SP)	274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
EmS	F-A, S-B
Stowage category	B
<b>• International Civil Aviation Organization (ICAO-IATA/DGR)</b>	
UN number	1760
Proper shipping name	Corrosive liquid, 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

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### National regulations (United States)

##### Industry or sector specific available guidance(s)

##### • NPCA-HMIS® III

Hazardous Materials Identification System (American Coatings Association)

Category	Rating	Description
<b>Chronic</b>	/	None.
<b>Health</b>	3	Major injury likely unless prompt action is taken and medical treatment is given.
<b>Flammability</b>	1	Materials that must be preheated before ignition can occur.
<b>Physical hazard</b>	0	Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.
<b>Personal protective equipment</b>	-	

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• **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) - National Fire Protection Association (United States)

Category	Degree of hazard	Description
<b>Flammability</b>	1	Materials that must be preheated before ignition can occur.
<b>Health</b>	3	Materials that, under emergency conditions, can cause serious or permanent injury.
<b>Instability</b>	0	Materials that are normally stable, even under fire conditions.
<b>Special hazard</b>		

**Relevant European Union (EU) safety, health and environmental provisions**

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

Skin corrosion/irritation	Cat. 1A	(Skin Corr. 1A)
Serious eye damage/eye irritation	Cat. 1	(Eye Dam. 1)
Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).		

### SECTION 16: Other information

**16.2 Abbreviations and acronyms**

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR § 40 U.S. Department of Transportation
Acute Tox.	acute toxicity
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
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	chemical oxygen demand
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EmS	Emergency Schedule
ERG No	Emergency Response Guidebook - Number
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
Flam. Liq.	flammable liquid

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Abbr.	Descriptions of used abbreviations
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
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")
NFPA® 704	National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
Skin Corr.	corrosive to skin
Skin Irrit.	irritant to skin
STOT SE	specific target organ toxicity - single exposure
vPvB	very Persistent and very Bioaccumulative

### 16.3 Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

### 16.4 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).

### 16.5

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

Code	Text
H227	combustible liquid
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



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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.