



SAFETY DATA SHEET

Issuing Date 28-Jan-2014

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Revision Number 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Concert

UN Number UN3262

Other means of identification

Product Code(s) 6148

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Dishwasher Detergent

Uses advised against No information available

Supplier's details

Supplier Address

Sunburst Chemicals, Inc.
220 W. 86th St.
Bloomington, MN 55420
TEL: 952-884-3144

Emergency Telephone Number 1-866-303-6943

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

PRODUCT AS SOLD

Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 1 Subcategory 1A
Serious Eye Damage/Eye Irritation	Category 1

PRODUCT AT USE DILUTION

Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

GHS Label elements, including precautionary statements

Emergency Overview

PRODUCT AS SOLD

Signal Word **Danger**

Hazard Statements

- Harmful if in contact with skin
- Causes severe skin burns and eye damage



Appearance White

Physical State Powder

Odor Chlorine

Precautionary Statements

Prevention

- Wear protective gloves and clothing
- Do not breathe mist
- Wash face, hands, and any exposed skin thoroughly after handling

General Advice

- IF exposed or concerned: Get medical attention/advice

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

Skin

- IF ON SKIN: Wash with plenty of soap and water
- Take off contaminated clothing and wash before reuse
- If skin irritation occurs: Get medical advice/attention
- Call a POISON CENTER or a doctor/physician if you feel unwell

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Ingestion

- IF SWALLOWED: Call a POISON CENTER or doctor/physician immediately
- Rinse mouth, sip a glass of water if able to do so.
- Do NOT induce vomiting.

Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

Disposal

- Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Harmful to aquatic life with long lasting effects

PRODUCT AT USE DILUTION

Signal Word

Danger

Hazard Statements

- Harmful if swallowed
- Causes severe skin burns and eye damage

Emergency Overview

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
Skin Contact	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Slippery feeling, burning sensation on skin or eyes

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

Eye Contact	PRODUCT AT USE DILUTION Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention / advice.
Skin Contact	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention / advice.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

No information available

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PRODUCT AS SOLD

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become slippery.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Collect and reuse if possible. Following product recovery, flush area with water.

Personal Precautions:	PRODUCT AT USE DILUTION Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Use personal protective equipment. Solution can cause surfaces to become slippery.
Environmental Precautions	Avoid release to the environment. Rinse or mop up use solutions. Small volumes may be flushed down sanitary sewer drains.
Methods for Containment	Prevent solutions from further spillage, if safe to do so.
Methods for Cleaning Up	Flush area with water.

7. HANDLING AND STORAGE

PRODUCT AS SOLD

Precautions for safe handling
Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

Conditions for safe storage, including any incompatibilities

Storage Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products Strong acids.

Advice on safe handling	PRODUCT AT USE DILUTION Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe mist. Wash hands thoroughly after handling.
Conditions for safe storage	Keep out of reach of children. Store in suitable labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m3	TWA: 2 mg/m3 (vacated) Ceiling: 2 mg/m3	IDLH: 10 mg/m3 Ceiling: 2 mg/m3

Appropriate engineering controls

Engineering Measures Eyewash stations

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety goggles.

Skin and Body Protection Rubber or vinyl gloves when handling solid chemicals or their use solutions.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT AS SOLD

Information on basic physical and chemical properties

Physical State	Powder	Appearance	White
Odor	Chlorine	Odor Threshold	No information available

Property	Values for Product as Sold	Values for Product at Use Dilution
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pH	N/A	11.0 – 11.8
Melting Point/Range	No data available	
Boiling Point/Boiling Range	None	212 °F
Flash Point	None.	
Evaporation rate	No data available	Physical State – Liquid
Flammability (solid, gas)	No data available	Odor – None
Flammability Limits in Air		Appearance - Colorless
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	
Relative Density	No data available	
Specific Gravity	No data available.	
Water Solubility	Complete	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity	No data available	
Flammable Properties	Not flammable	
Explosive Properties	Not explosive	
Oxidizing Properties	Not an oxidizer	
Other information		
VOC Content (%)	0%	

10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to avoid
None known based on information supplied.

Incompatible materials
None known based on information supplied.

Hazardous decomposition products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

PRODUCT AS SOLD
Information on likely routes of exposure

Product Information:

Eye Contact	Causes serious eye damage.
Skin Contact	Causes severe skin burns.
Ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

PRODUCT AT USE DILUTION	
Eye Contact	Causes serious eye damage

Skin Contact	Causes severe skin burns
Ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal pain, nausea, vomiting, and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Carbonate	= 4090 mg/kg (Rat)	-	-
Sodium Hydroxide	-	= 1350 mg/kg (Rabbit)	-
Pentasodium Triphosphate	= 4640 mg/kg (Rat)	-	-
Sodium Dichloroisocyanurate	= 735 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	= 50 mg/L (Rat 1h)

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity Contains no carcinogenic ingredients.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration Hazard No information available.

Numerical measures of toxicity • - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral No information available.

LD50 Dermal No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium Carbonate	*	LC50 96 h: = 300-320 mg/L (Bluegill Sunfish)	*	EC50 48h: = 265 mg/L (Daphnia magna)
Sodium Hydroxide	*	LC50 96 h: = 45.4 mg/L static (Oncorhynchus Mykiss)	*	*
Sodium Dichloroisocyanurate	*	LC50 96 h: = 1.0 mg/L (Bluegill Sunfish)	*	EC50 48h: = 0196 mg/L

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

PRODUCT AS SOLD

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Dispose of in accordance with federal, state, and local regulations.

PRODUCT AT USE DILUTION

Dispose of in accordance of the federal, state, local regulations.

14. TRANSPORT INFORMATION

DOT

UN Number UN3262
 Proper Shipping Name Corrosive Solid, basic, inorganic, n.o.s.
 Hazard Class 8
 Packing Group II
 Reportable Quantity Sodium Hydroxide, RQ kg = 1055.81
 Description UN3262, Corrosive Solid, basic, inorganic, n.o.s., (Sodium Hydroxide), 8,II, RQ
 Emergency Response Guide Number 154

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL/NDSL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
 Chronic Health Hazard No
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Hydroxide	1000lb			X
Pentasodium triphosphate	5000lb			X

CERCLA

This material, as supplied, contains substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium Hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Pentasodium triphosphate	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains no Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Sodium Hydroxide	X	X	X	X	X
Pentasodium triphosphate		X	X		
Sodium dichloroisocyanurate	X		X		X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection B

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 952-884-3144

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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet