

**Safety Data Sheet**  
acc. to OSHA HCS (29 CFR 1910.1200)

**China Shine**

Revision: 11/1/2017

**1. Identification**

**Product identifier**

**Product name:** China Shine

**Product number:** CHS

**Recommended use and restriction on use**

**Recommended use:** Dish soap

**Restrictions on use:** No relevant information available.

**Details of the supplier of the Safety Data Sheet**

Verax Chemical Company  
20102 Broadway Ave  
Snohomish, WA 98296  
Tel: 360-668-2431

**Emergency telephone number**

USA: (800) 535-5053                      International: +1 (352) 323-3500

**2. Hazard(s) identification**

**Classification of the substance or mixture**

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

Hazard class and category	Hazard statement code(s)	
Skin corrosion/irritation	Cat. 2.	H315
Serious eye damage/eye irritation	Cat. 2.	H319
Carcinogenicity	Cat. 2	H351

**Label elements**

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

**Signal word:** Warning

**Pictograms**



GHS07    GHS08

**Hazard statements**

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

**Precautionary statements - prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling.

**Precautionary statements – response**

Immediately call a POISON CENTER or doctor

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

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do. Continue rinsing. Immediately call a POISON CENTER or doctor.  
IF ON SKIN (or hair): Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse

**Precautionary statements – storage**

Store locked up.

**Precautionary statements – disposal**

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

**Other hazards**

Harmful to aquatic life with long lasting effects.

### 3. Composition/information on ingredients

Chemical Name	CAS No.	Weight %
Dodecyl benzene sulfonic acid	27176-87-0	10-20
Sodium hydroxide	1310-73-2	<5
Diethanolamine	111-42-2	<1
Cocomide DEA	68603-42-9	<1
Ethanol	64-17-5	<1

**Additional information:**

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. \*\*

### 4. First-aid measures

**Description of first aid measures****General Advice**

If exposed or concerned: Get medical advice/attention.

**After inhalation**

Remove to fresh air.

**After skin contact**

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**After swallowing**

Rinse out mouth and then drink plenty of water.

**Most important symptoms and effects, both acute and delayed**

May be harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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### 5. Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishing agents

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing agents:** Not determined.

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

Not determined.

#### Advice for firefighters

##### Protective equipment:

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

### 6. Accidental release measures

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

##### Personal precautions

Use personal protective equipment as required.

##### Environmental precautions

See Section 12 for additional Ecological Information.

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

##### Methods for containment

Prevent further leakage or spillage if safe to do so.

##### Methods for clean-up

Keep in suitable, closed containers for disposal.

#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7. Handling and storage

#### Precautions for safe handling

##### Recommendations

Keep out of reach of children.

Wear eye/face protection.

**Information about protection against explosions and fires:** No special measures required.

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

##### Storage Conditions

Store locked up.

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**Requirements to be met by storerooms and receptacles**  
None.

**Incompatible substances or mixtures**  
None known based on information supplied.

**Specific end use(s):** No relevant information available.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Chemical Name	CAS No.	Type	[ppm]	[mg/m <sup>3</sup> ]
Sodium Hydroxide	1310-73-2	TWA		2
Glycerol	56-81-5	TWA		15 mist, total particulate
Ethanol	64-17-5	TWA	1000	1900

**US. ACGIH Threshold Limit Values**

Chemical Name	CAS No.	Type	[ppm]	[mg/m <sup>3</sup> ]
Diethanolamine	111-42-2	TWA		1 inhalable fraction
Ethanol	64-17-5	STEL	1000	-

**US. NIOSH: Pocket Guide to Chemical Hazards**

Chemical Name	CAS No.	Type	[ppm]	[mg/m <sup>3</sup> ]
Sodium Hydroxide	1310-73-2	IDLH		10
Diethanolamine	111-42-2	TWA	3	15
Ethanol	64-17-5	IDLH/TWA	3300/1000	-/1900

**Notation**

- PEL Permissible exposure limit.
- 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.
- IDLH Immediately Dangerous to Life or Health

**Exposure controls**

**Appropriate engineering controls**

Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures**

Handle in accordance with good industrial hygiene and safety practice.

**Eye/face protection**

Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and body protection**

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Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory protection**

Refer to 29 CFR 1910.134 for respiratory protection requirements.

**Other protection measures**

None.

**Limitation and supervision of exposure into the environment**

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

**Risk management measures** No special requirements.

**9 Physical and chemical properties**

**Information on physical and chemical properties**

**Appearance**

<b>Form</b>	Viscous liquid
<b>Color</b>	Amber
<b>Odor</b>	Citrus
<b>Odor threshold</b>	Not determined
<b>pH</b>	13
<b>Melting point/freezing point</b>	0°C (32°F)
<b>Boiling point/boiling point range</b>	100°C (212°F)
<b>Flash point</b>	Non-flammable
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not determined
<b>Flammability limit – upper (%)</b>	Not determined
<b>Explosive limit – lower (%)</b>	Not determined
<b>Explosive limit – upper (%)</b>	Not determined
<b>Vapor Pressure at 20°C (68°F)</b>	Not determined
<b>Density at 20°C (68°F)</b>	1.055 g/cm <sup>3</sup> (8.80 lbs/gal)
<b>Relative density</b>	Not determined
<b>Vapor density</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Fully miscible
<b>Partition coefficient (n-octanol/water)</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Other information</b>	No relevant information available

**10 Stability and reactivity**

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**Reactivity**

The product is stable and non-reactive under normal conditions of use, storage, and transport

**Chemical stability**

The product is stable under normal conditions

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Keep out of reach of children.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

**11 Toxicological information**

**Information on likely routes of exposure**

**Product Information**

**Eye Contact:** Causes severe eye irritation.

**Skin Contact:** May be harmful in contact with skin. Causes skin irritation.

**Inhalation:** Do not inhale.

**Ingestion:** Do not ingest.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dodecyl benzene sulfonic acid 27176-87-0	=1260 mg/kg (Rat)	631-1000 mg/kg (Rabbit)	-
Glycerol 67-63-0	=12600 mg/kg (Rat)	>10 g/kg (Rabbit)	>570 mg/m <sup>3</sup> (Rat) 1h
Sodium Hydroxide 1310-73-2	-	=1350 mg/kg (Rabbit)	-
Diethanolamine 111-42-2	=780 mg/kg (Rat) =620 µL/kg (Rat)	=7640 µL/kg (Rabbit)	-
Cocomide DEA 68603-42-9	>5000 mg/kg (Rat)	>2 g/kg (Rabbit)	

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Ammonium laureth sulfate 32612-48-9	=630 mg/kg (Rat)	-	-
Ethanol	=7060 mg/kg (Rat)	-	=124.7 mg/L (Rat) 4h

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Suspected of causing cancer. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Diethanolamine 111-42-2	A3	Group 2B	-	X
Cocomide DEA 68603-42-9	-	Group 2B	Known	X
Ethanol 64-17-5	A3	Group 1	Known	X

**Legend**

*ACGIH (American Conference of Governmental Industrial Hygienists)*  
*A3 - Animal Carcinogen*  
*IARC (International Agency for Research on Cancer)*  
*Group 1 - Carcinogenic to Humans*  
*Group 2B - Possibly Carcinogenic to Humans*  
*NTP (National Toxicology Program)*  
*Known - Known Carcinogen*  
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*  
*X - Present*

**Numerical measures of toxicity**

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

<b>ATEmix (oral)</b>	7,491.00 mg/kg
<b>ATEmix (dermal)</b>	4,102.00 mg/kg

**12 Ecological information**

**Toxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Endpoint Value	Species	Exposure time
Dodecyl benzene sulfonic acid 27176-87-0	29 mg/L EC50 static	Pseudokirchneriella subcapitata	96 h
	10.8 mg/L LC50 static	Oncorhynchus mykiss	96 h
	3.5-10 mg/L LC50 static	Brachydanio rerio	96 h
	5.88 mg/L EC50	Daphnia magna	48 h
Glycerol 56-81-5	51-57 mg/L LC50 static	Oncorhynchus mykiss	96 h
	500 mg/L EC50	Daphnia magna	24 h
Sodium Hydroxide	45.4 mg/L LC50 static	Oncorhynchus mykiss	96 h

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1310-73-2

Diethanolamine 111-42-2	7.8 mg/L EC50 2.1-2.3 mg/L EC50	Desmodesmus subspicatus Pseudokirchneriella subcapitata	72 h 96 h
	4460-4980 mg/L LC50 flow-through	Pimephales promelas	96 h
	1200-1580 mg/L LC50 static	Pimephales promelas	96 h
	600-1000 mg/L LC50 semi-static	Lepomis macrochirus	96 h
	55 mg/L EC50	Daphnia magna	48 h
Ethanol 64-17-5	12-16 mL/L LC50 static 13400-15100 mg/L LC50 flow-through	Oncorhynchus mykiss Pimephales promelas	96 h 96 h
	100 mg/L LC50 static	Pimephales promelas	96 h

**Persistence and degradability**

Not determined.

**Bioaccumulative potential**

Not determined.

**Mobility in soil**

Chemical Name	Partition Coefficient
Glycerol 56-81-5	-1.76
Diethanolamine 111-42-2	-2.18
Ethyl Alcohol 64-17-5	-0.32

**Additional ecological information**

**General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Other adverse effects:** Not determined.

**13 Disposal considerations**

**Waste treatment methods**

**Disposal Recommendations**

Smaller quantities can be disposed of with household waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

**Uncleaned packaging**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agent:** Water, if necessary with cleansing agents.



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**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic Corrosive
Ethanol 64-17-5	Toxic Ignitable

**14 Transport information**

**DOT**

Not regulated.

**IATA**

Not regulated.

**IMDG**

**Marine Pollutant**

This material may meet the definition of a marine pollutant.

**15 Regulatory information**

**International Inventories**

All ingredients are listed or exempt from listing on Chemical Substance Inventory

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Dodecyl benzene sulfonic acid 27176-87-0	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Sodium Hydroxide 1310-73-2	1000 lb	-	RQ1000 lb final RQ RQ 454 kg final RQ
Diethanolamine 111-42-2	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CWA (Clean Water Act)**

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
Dodecyl benzene sulfonic acid	1000 lb	-	-	X
Sodium hydroxide	1000 lb	-	-	X



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## US State Regulations

### California Proposition 65

Chemical Name	California Proposition 65
Diethanolamine 111-42-2	Carcinogen
Cocomide DEA 68603-42-9	Carcinogen
Ethyl Alcohol 64-17-5	Carcinogen Developmental

### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dodecyl benzene sulfonic acid 27176-87-0	X	X	X
Glycerol 56-81-5	X	X	X
Sodium hydroxide 1310-73-2	X	X	X
Diethanolamine 111-42-2	X	X	X
Ethanol 64-17-5	X	X	X

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Date of Preparation / current revision:** 11/1/2017 /

#### · Sources

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))

Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))

Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org)) Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers