



SAFETY DATA SHEET

CS-300

Section 1. Identification

GHS product identifier : CS-300
Other means of identification : High Performance Surface Primer
Supplier's details : Concrete Sealants, Inc.
9325 St. Rte. 201
Tipp City, Ohio 45371
Tel.: 937-845-8776
Toll-free: 800-332-7325
Fax: 937-845-3587
Email: hello@conseal.com
Website URL: www.conseal.com
Emergency telephone number (with hours of operation) : 937-845-8776 or 800-332-7325
(6am to 5pm EST)

Section 2. Hazards Identification

OSHA/HCS status : While this material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Flammable liquids, Category 2
Skin Irritation, Category 2
Serious eye damage/eye irritation, Category 2A
Specific target organ toxicity repeated exposure, Category 2
Aspiration hazard, Category 1
Reproductive Toxicity, Category 2

GHS label elements



Signal word : **Danger**

Hazard statements : Highly flammable liquid and vapor. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Suspected of damaging fertility or unborn child.

Precautionary statements

General : Keep out of reach of children. Obtain special instruction before use. Do not handle until all safety precaution have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use explosion proof electrical, ventilation, and lighting equipment. Use only non-sparking tools. Ground/bond container and receiving equipment. Wash skin thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection. Use other personal protective equipment as required. Use only outdoors in a well ventilated area.

Section 2. Hazards Identification

- Prevention** : DO NOT BREATHE VAPORS. IF SWALLOWED: Get medical attention immediately. Do not induce vomiting. Drink plenty of water. Never give anything to an unconscious person.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eyes irritation persists: Get medical advice/ attention. If exposed or concerned: Immediately call a POISON CENTER or physician. If medical attention is needed, have product container or label at hand.
 IF ON SKIN (or hair): Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
- Response** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention if you feel unwell. In case of fire, use foam, dry chemical or CO2 for extinction.
- Storage** : Take precautionary measures against static discharge. Keep container tightly closed and in a well-ventilated place. Keep cool. Store locked up.
- Disposal** : Dispose of contents/containers in accordance with applicable regulations.
- Hazards not otherwise classified** : None known

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available
- CAS number/other identifiers**
- CAS number** : Not applicable
- Product code** : Not available

Ingredient name	%	CAS number
Hexanes	80-86	110-54-3
Synthetic Rubber& Resins	14-20	N.A.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids for 15 minutes. Check for and remove any contact lenses after the first 5 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, apply artificial respiration and get medical attention immediately.
- Skin contact** : Immediately flush contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.
- Ingestion** : Get medical attention immediately. Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person.



SAFETY DATA SHEET

CS-300

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media : Foam, dry chemical, CO₂.

Unsuitable extinguishing media : None known

Specific hazards arising from the chemical : Vapors may cause flash fire! Vapors may ignite explosively!

Hazardous thermal decomposition products : Decomposition materials may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for firefighters : Do not use water as it may be ineffective. Water may be used to cool closed containers. Wear self-contained breathing apparatus and protective clothing in fighting fires to avoid inhalation of smoke and vapors.

Special protective equipment for firefighters : Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

For emergency responders : Evacuation personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions : Do not allow discharge to drains, surface water, or ground water. Dike the spill as needed.

Methods and materials for contaminant and cleaning up

Spill : Remove or extinguish all sources of flame, heat & sparks. Turn off all electric motors in area. Ventilate the area. Transfer liquid to a holding container suitable for flammable solvents. Dispose of as a hazardous waste in accordance with national, state and local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Extremely flammable liquid. Avoid heat, sparks, open flames. Vapors are heavier than air and may spread along floors. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentrations higher than the occupational exposure limits. Use grounding wires when transferring product from one container to another. Avoid breathing vapors and contact with skin and eyes. Provide adequate general and local exhaust ventilation. Hazardous residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning. Store product in a cool, well-ventilated place. Keep container tightly sealed when not in use.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Not Applicable

Section 8. Exposure Controls / Personal Protection

Occupational exposure limits

Appropriate engineering controls : General dilution ventilation of sufficient volume and pattern to keep vapor concentration below 50 PPM.
Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures : Wash with soap and water before eating, drinking, smoking or using the toilet facilities.
Eye/face protection : Wear goggles, face shield, or safety glasses with side-shields.
Skin protection
Hand protection : Impermeable gloves to minimize skin contact.
Body protection :
Other skin protection : Eye bath and safety shower.
Respiratory protection : If required, use NIOSH approved respirator for organic vapor and mist in compliance with OSHA Standard 29 CFR 1910.134.

Section 9. Physical and Chemical Properties

Appearance

Physical state : Liquid
Color : Light amber
Odor : Hexane solvent
Odor threshold : Not available
pH : Not available
Melting point : Not available
Boiling point : 152 °F
Flash point : -20 °F/ -29 °C
Burning time : Not available
Burning rate : Not available
Evaporation rate : (Butyl Acetate = 1) GREATER
(Ethyl Ether = 1) LESS
Flammability (solid, gas) : Not available
Lower and upper explosive (flammable) limits : Lower Explosion Limits: 1.2% Upper Explosion Limits: 7.7%
Vapor pressure : 125.0 (mm Hg)
Vapor density : 2.97 AIR = 1
Solubility : Not available
Solubility in water : Negligible
Partition coefficient n-octanol/water : Not available
Auto-ignition temperature : 496 °F/ 258 °C
Decomposition temperature : Not available
SADT : Not available

Section 9. Physical and Chemical Properties

Viscosity : Not available
Specific Gravity : 0.72
Percent Volatile (by vol.) : 87

Section 10. Stability and Reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.
Chemical stability : The product is stable under normal storage conditions.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid : Fire/ Excessive heat.
Incompatible materials : Strong oxidizing agents.
Hazardous decomposition products : CO, CO₂, HCL, CL₂, HYDROCARBONS.

Section 11. Toxicological Information

Information on toxicological effects

WARNING: TARGET ORGAN EFFECTS: This product is comprised of multiple ingredients both hazardous and non-hazardous materials. Since the quantity of each ingredient varies from less than 1% to as much as 99%, it is not possible to determine precise exposures to each individual material within the mixture. With regard to target organs, one or more of the following may be affected out of normal use of the product: Human and unborn human lungs, brain, heart, kidneys, liver, reproductive organs, central nervous system and the blood. Damage to fetus possible.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
CS-300 /Hexanes	LD50	Rat	16000 mg	Oral
	LC50	Rat	31.86 mg	Inhalation
	LD50	Rabbit	2000 mg/kg	dermal

Sensitization

Skin : Prolonged and repeated contact with skin contact can cause defatting and drying of the skin which can result in skin irritation and dermatitis.
Respiratory : Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, nausea, impairment of coordination and even asphyxiation. Can cause motor neuropathy and parathesia in distal extremities upon excessive exposure.

Mutagenicity

There is no data available

Carcinogenicity

None of the ingredients listed.

Reproductive toxicity

Damage to fetus possible.

Teratogenicity

There is no data available

Specific target organ toxicity

Human and unborn lungs, skin, brain, heart, kidneys, liver, reproductive organs, central nervous system and the blood.

Aspiration hazard

There is no data available

Information on the likely routes of exposure

Potential acute health effects

Section 11. Toxicological Information

- Eye contact** : Can cause severe irritation, redness, tearing, and blurred vision.
- Inhalation** : Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, nausea, impairment of coordination and even asphyxiation. Can cause motor neuropathy and parathesia in distal extremities upon excessive exposure.
- Skin contact** : Prolonged and repeated skin contact can cause defatting and drying of the skin which can result in skin irritation and dermatitis.
- Ingestion** : can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis and pulmonary edema.

Section 12. Ecological Information

Volatile Organic Compounds (VOCs) : 4.93 lbs./gallon 591 grams/liter

Ecological toxicity information not available for this mixture.

Section 13. Disposal Considerations

Disposal methods : Dispose of as a hazardous waste in accordance with national, state and local regulations.

Section 14. Transport Information

	DOT Classification
UN number	UN1133
UN proper shipping name	Adhesives
Transport hazard class(es)	3
Packing group	II
Environmental hazards	No
Additional information	Resp. Guide Number: 127

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

California Prop. 65

This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other Information

HMIS RATINGS: HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

History

Date of issue mm/dd/yyyy : 11/01/2015

Version : 1

Revised sections : Not applicable

Prepared by : Concrete Sealants

Section 16. Other Information

Key to abbreviations

- : ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships
- 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.