

## 1. Identification

<b>Product identifier</b>	<b>SP-6700</b>	
<b>Other means of identification</b>		
<b>Product Code</b>	N/A	
<b>Recommended use</b>	Industrial uses: Uses of substances as such or in preparations at industrial sites	
<b>Recommended restrictions</b>	For industrial use only.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	SI Group®	
<b>Address</b>	P.O. Box 1046 Schenectady, NY 12301 United States	
<b>Telephone</b>	General	+1 (518)-887-2400
<b>E-mail</b>	sds.info@siigroup.com	
<b>Emergency phone number</b>	EMERGENCY: USA -- CHEMTREC	1-(800)-424-9300;
	International [Call Collect]	+1 (703)-741-5970
<b>Other information</b>	The material, or components, is either on the TSCA inventory list or is exempt from the requirement to be listed.	

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Warning
<b>Hazard statement</b>	May cause an allergic skin reaction. Causes serious eye irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.
<b>Storage</b>	Store in accordance with local regulations.
<b>Disposal</b>	Dispose of contents/container in accordance with local regulation.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	May form combustible dust concentrations in air. >95% of the mixture consists of component(s) of unknown acute inhalation toxicity.

## 3. Composition/information on ingredients

### Mixtures

<b>Hazardous components</b>			
<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS number</b>	<b>%</b>
CASHEW NUT SHELL OIL	CASHEW NUT SHELL OIL	8007-24-7	1.0 - 2.5
<b>Non-hazardous components</b>			
<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS number</b>	<b>%</b>
MODIFIED PHENOLIC RESIN	MODIFIED PHENOLIC RESIN	N/A	93 - 98
PHENOL	PHENOL	108-95-2	<1.0
FORMALDEHYDE	FORMALDEHYDE	50-00-0	<0.1

**Composition comments** This product is a preparation.

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. For breathing difficulties, oxygen may be necessary. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim inhaled the substance. Get medical attention if symptoms occur. The signs and symptoms that may result from an emergency or an unexpected acute overexposure include: irritation -- respiratory tract
<b>Skin contact</b>	Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops and persists. The signs and symptoms that may result from an emergency or an unexpected acute overexposure include: irritation
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur. The signs and symptoms that may result from an emergency or an unexpected acute overexposure include: irritation
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to a victim who is unconscious or is having convulsions. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. The signs and symptoms that may result from an emergency or an unexpected acute overexposure include: nausea ; vomiting ; diarrhea ; gastritis
<b>Most important symptoms/effects, acute and delayed</b>	Exposure to powder or dusts may be irritating to eyes, nose and throat.
<b>Indication of immediate medical attention and special treatment needed</b>	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. Provide general supportive measures and treat symptomatically. Please consider other resources such as a regional Poison Control Center or web sites like the National Library of Medicine TOXNET @ <a href="http://toxnet.nlm.nih.gov">http://toxnet.nlm.nih.gov</a> . A specific antidote is not known. Some of the symptoms presented may become life threatening if the exposure is a result of an emergency or an unexpected acute overexposure. Additionally, some workers with certain pre-existing medical conditions such as: asthma, allergies, or impaired pulmonary and/or liver functions, or who may be particularly susceptible to this material, may be affected by exposure to this material.
<b>General information</b>	Take off contaminated clothing and shoes immediately. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
<b>Fire fighting equipment/instructions</b>	Cool containers exposed to heat with water spray and remove container, if no risk is involved. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. High concentrations of dust may form explosive mixture with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

<b>Specific methods</b>	In the event of fire and/or explosion do not breathe fumes. Cool containers exposed to flames with water until well after the fire is out.
<b>General fire hazards</b>	High concentration of airborne dust may form explosive mixture with air. The Minimum Ignition Energy for phenolic resins can be as low as 3 mJ [millijoules]. The Minimum Explosive Concentration for phenolic resins can be as low as 0.025 oz/ft3 or ~20 g/m3.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Remove all sources of ignition. Avoid inhalation of vapors and spray mists. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Follow facility/company's emergency plans.
<b>Methods and materials for containment and cleaning up</b>	Eliminate ignition sources including sources of electrical, static or frictional sparks. Ventilate the contaminated area. Avoid dust formation. Wear appropriate protective equipment and clothing during clean-up.  Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Clean surface thoroughly to remove residual contamination.  Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Eliminate sources of ignition. Ventilate the contaminated area. Prevent spreading over a wide area (e.g. by containment or oil barriers). In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Do not re-use empty containers. Guard against dust accumulation of this material. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Do not use in areas without adequate ventilation. Wear personal protective equipment. Wash thoroughly after handling. Use good personal hygiene practices "Empty" containers retain product residue (liquid or vapor) and can be dangerous. As with all chemicals, good industrial hygiene practices should be followed when handling this material. When the container(s) is empty it may retain product residue including vapors which could accumulate. Therefore, do not cut, drill, grind, or weld empty containers. Additionally, do not conduct such activity(ies) near full, partially full, or empty product containers without appropriate workplace safety authorization(s) or permit(s).
<b>Conditions for safe storage, including any incompatibilities</b>	Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep containers tightly closed in a dry, cool and well-ventilated place. Guard against dust accumulation of this material. Use care in handling/storage.

## 8. Exposure controls/personal protection

<b>Exposure guidelines</b>	All PPE use is to be determined by a qualified person.
<b>US ACGIH Threshold Limit Values: Skin designation</b>	
PHENOL (CAS 108-95-2)	Can be absorbed through the skin.
<b>US NIOSH Pocket Guide to Chemical Hazards: Skin designation</b>	
PHENOL (CAS 108-95-2)	Can be absorbed through the skin.
<b>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</b>	
PHENOL (CAS 108-95-2)	Can be absorbed through the skin.

### Occupational exposure limits

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
FORMALDEHYDE (CAS 50-00-0)	STEL	2 ppm
	TWA	0.75 ppm

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

Components	Type	Value
PHENOL (CAS 108-95-2)	PEL	19 mg/m3 5 ppm

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
DUST	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

**US. ACGIH Threshold Limit Values**

Components	Type	Value
FORMALDEHYDE (CAS 50-00-0)	Ceiling	0.3 ppm
PHENOL (CAS 108-95-2)	TWA	5 ppm

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

Components	Type	Value
FORMALDEHYDE (CAS 50-00-0)	Ceiling	0.1 ppm
	TWA	0.016 ppm
PHENOL (CAS 108-95-2)	Ceiling	60 mg/m3
		15.6 ppm
	TWA	19 mg/m3
		5 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
PHENOL (CAS 108-95-2)	250 mg/g	Phenol with hydrolysis	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas. Ventilation should be sufficient to effectively remove, and prevent buildup of, any vapors, dusts, or fumes that may be generated during handling or thermal processing. In order to ensure appropriate electrical safety practices are followed, consult applicable standards. These may include guidelines such as the National Fire Protection Association [NFPA] 70, "The National Electrical Code" and NFPA 499, "Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas ". NOTE: since this material's vapors, dust or fumes can form explosive mixtures in air, ensure that any potential areas where explosions may occur are designed to minimize potential damage. For recommendations to prevent such explosions and associated damage, consult applicable guidelines such as NFPA 69, "Standard on Explosion Prevention Systems" and/or NFPA 68, "Guide for Venting Deflagrations".

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

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear: Face-shield. Eye wash fountain is recommended.

**Skin protection****Hand protection**

Wear protective gloves.

**Other**

Do not get this material in contact with skin. Wear suitable protective clothing. Wear impervious gloves for prolonged contact.

**Respiratory protection**

Do not breathe dust/fume/gas/mist/vapors/spray. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever work place conditions warrant a respirator's use.

<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Do not get in eyes, on skin, on clothing. Wash hands after handling and before eating. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

<b>Appearance</b>	Odorless, brown solid.
<b>Physical state</b>	Solid.
<b>Form</b>	Solid.
<b>Color</b>	Brown.
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	> 203 °F (> 95 °C)
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	> 203.0 °F (> 95.0 °C) Closed Cup
<b>Evaporation rate</b>	< Ether
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	N/A
<b>Vapor density</b>	> Air
<b>Relative density</b>	1.2 g/cm <sup>3</sup> at 25°C
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not very soluble [<1%]
<b>Solubility (other)</b>	Alcohol
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Flash point class</b>	Combustible IIIB
<b>Moisture</b>	< 1 %
<b>pH in aqueous solution</b>	4 - 6
<b>Specific gravity</b>	1.2 at 25°C
<b>Weighted solids</b>	99 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable under normal conditions [e.g., 70°F (21°C) & 14.7 psig (760 mmHg)]. Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Will not occur under normal conditions [e.g., 70°F (21°C) & 14.7 psig (760 mmHg)].
<b>Conditions to avoid</b>	Heat, flames and sparks. Avoid dust close to ignition sources.
<b>Incompatible materials</b>	Incompatible with strong acids and bases.

**Hazardous decomposition products**

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

**11. Toxicological information****Information on likely routes of exposure**

**Inhalation** May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

**Skin contact** May cause skin irritation. May cause sensitization by skin contact.

**Eye contact** Dust or powder may irritate eye tissue.

**Ingestion** Ingestion of this product may cause nausea, vomiting and diarrhea.

**Symptoms related to the physical, chemical and toxicological characteristics** Product dust may be irritating to eyes, skin and respiratory system.

**Information on toxicological effects**

**Acute toxicity** May cause eye/skin irritation. May cause irritation of respiratory tract. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause sensitization by skin contact.

Components	Species	Test Results
CASHEW NUT SHELL OIL (CAS 8007-24-7)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg [vendor]
<b>Oral</b>		
LD50	Rat	> 1000 mg/kg [vendor]
FORMALDEHYDE (CAS 50-00-0)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	270 mg/kg
<b>Inhalation</b>		
LC50	Rat	165 ppm
<b>Oral</b>		
LD50	Rat	100 mg/kg
MODIFIED PHENOLIC RESIN		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
PHENOL (CAS 108-95-2)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	850 mg/kg
<b>Inhalation</b>		
LC50	Rat	82 ppm
<b>Oral</b>		
LD50	Rat	317 mg/kg
<b>Skin corrosion/irritation</b>	May be irritating to the skin.	
<b>Serious eye damage/eye irritation</b>	Dust or powder may irritate eye tissue.	
<b>Respiratory or skin sensitization</b>		
<b>ACGIH sensitization</b>		
FORMALDEHYDE (CAS 50-00-0)	Dermal sensitization Respiratory sensitization	
<b>Respiratory sensitization</b>	Not classified.	

<b>Skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
FORMALDEHYDE (CAS 50-00-0)	1 Carcinogenic to humans.
PHENOL (CAS 108-95-2)	3 Not classifiable as to carcinogenicity to humans.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
FORMALDEHYDE (CAS 50-00-0)	Cancer
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	
FORMALDEHYDE (CAS 50-00-0)	Known To Be Human Carcinogen.
<b>Reproductive toxicity</b>	Not classified.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	Prolonged exposure may cause chronic effects. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
<b>Further information</b>	The toxicological properties of this product have not been thoroughly investigated. Use appropriate precautions.

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

Components		Species	Test Results
CASHEW NUT SHELL OIL (CAS 8007-24-7)			
Aquatic			
Acute			
Crustacea	LL50	Copepod (Tisbe furcata)	> 1000 mg/l, 48 hours
Fish	LL50	Sheepshead minnow (Cyprinodon variegatus)	> 1000 mg/l, 48 hours
FORMALDEHYDE (CAS 50-00-0)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	4.3 - 7.8 mg/l, 48 hours
Fish	LD	Rainbow Trout	50 ppm, 24 hours
	TDL0	Catfish (Plecostomus commersoni)	32 ppm, 24 hours
Acute			
Fish	LC50	Zebra danio (Danio rerio)	6.9 mg/l, 144 hours
PHENOL (CAS 108-95-2)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia	4.24 - 10 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.9 mg/l, 96 hours

**Persistence and degradability** Not inherently biodegradable.

**Bioaccumulative potential** No data is available on the product itself.

### Partition coefficient n-octanol / water (log Kow)

FORMALDEHYDE	0.35
PHENOL	1.46

**Mobility in soil** Not considered mobile.

**Mobility in general** The product is insoluble in water.

**Other adverse effects** Not available.

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations. Do not allow this material to drain into sewers/water supplies.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

### 14. Transport information

<b>General information</b>	This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations. Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR
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#### ROAD/RAIL (US DOT)

<b>Packaging Type:</b>	BULK-- TANK TRUCK/TANK CAR
<b>Proper Shipping Name:</b>	NOT REGULATED FOR TRANSPORT
<b>ERG Number:</b>	171

<b>Packaging Type:</b>	DRUM(s)/BAG(s)
<b>Proper Shipping Name:</b>	NOT REGULATED FOR TRANSPORT
<b>ERG Number:</b>	171

<b>Packaging Type:</b>	INTERMEDIATE BULK CONTAINER
<b>Proper Shipping Name:</b>	NOT REGULATED FOR TRANSPORT
<b>ERG Number:</b>	171

<b>Packaging Type:</b>	PAIL(s)/CAN(s)
<b>Proper Shipping Name:</b>	NOT REGULATED FOR TRANSPORT
<b>ERG Number:</b>	171

#### AIR (ICAO/IATA)

<b>Packaging Type:</b>	DRUM(s)/BAG(s)
<b>Proper Shipping Name:</b>	Not restricted for transport

<b>Packaging Type:</b>	PAIL(s)/CAN(s)
<b>Proper Shipping Name:</b>	Not restricted for transport

#### VESSEL (IMDG)

<b>Packaging Type:</b>	BULK-- TANK TRUCK/TANK CAR
<b>Proper Shipping Name:</b>	Not regulated for transport

<b>Packaging Type:</b>	DRUM(s)/BAG(s)
<b>Proper Shipping Name:</b>	Not regulated for transport

<b>Packaging Type:</b>	INTERMEDIATE BULK CONTAINER
<b>Proper Shipping Name:</b>	Not regulated for transport

<b>Packaging Type:</b>	PAIL(s)/CAN(s)
<b>Proper Shipping Name:</b>	Not regulated for transport



## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

The user of this material has the responsibility to provide a safe work place and, as necessary via job-task analysis: develop appropriate work practices, assign personal protective equipment, and provide instructional programs.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

FORMALDEHYDE (CAS 50-00-0)	Listed.
PHENOL (CAS 108-95-2)	Listed.

#### SARA 304 Emergency release notification

FORMALDEHYDE (CAS 50-00-0)	100 LBS
PHENOL (CAS 108-95-2)	1000 LBS

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

FORMALDEHYDE (CAS 50-00-0)	Cancer Skin sensitization Respiratory sensitization Eye irritation Skin irritation respiratory tract irritation Acute toxicity Flammability
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#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

FORMALDEHYDE (CAS 50-00-0)	FORMALDEHYDE
PHENOL (CAS 108-95-2)	PHENOL

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
PHENOL	108-95-2	1000		500	10000
FORMALDEHYDE	50-00-0	100	500		

**SARA 311/312** Yes  
**Hazardous chemical**

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

FORMALDEHYDE (CAS 50-00-0)  
PHENOL (CAS 108-95-2)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

FORMALDEHYDE (CAS 50-00-0)

**Clean Water Act (CWA)** Hazardous substance  
**Section 112(r) (40 CFR 68.130)**

**Safe Drinking Water Act (SDWA)** Not regulated.

### US state regulations

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

FORMALDEHYDE (CAS 50-00-0)	Listed: January 1, 1988
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#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

FORMALDEHYDE (CAS 50-00-0)

PHENOL (CAS 108-95-2)

**US. New Jersey Worker and Community Right-to-Know Act**

FORMALDEHYDE (CAS 50-00-0)

PHENOL (CAS 108-95-2)

**16. Other information, including date of preparation or last revision**

**Issue date** 01-10-2017

**Revision date** 05-14-2018

**Version #** 02

**Further information** HMIS® is a registered trade and service mark of the ACA.

**HMIS® ratings** Health: 2\*  
Flammability: 1  
Physical hazard: 0

**NFPA ratings** Health: 1  
Flammability: 1  
Instability: 0

**List of abbreviations** ACGIH: American Conference of Governmental Industrial Hygienists.  
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).  
ANSI: American National Standards Institute.  
Maximum permissible concentration of biological working substances (BAT: Biologische Arbeitsstofftoleranzwerte).  
BOD5: Biochemical oxygen demand within 5 days.  
CAS: Chemical Abstract Service.  
CEN: European Committee for Standardization (Comité Européen de Normalisation).  
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.  
DNEL: Derived No Effect Level.  
EC: European Community.  
EC50: Effective Concentration 50%.  
ECHA: European Chemical Agency.  
ICAO: International Civil Aviation Organization.  
IMDG Code: International Maritime Dangerous Goods Code.  
LC: Lethal Concentration.  
LC50: Lethal Concentration 50%.  
LD50: Lethal Dose 50%.  
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).  
N/A: Not available.  
NY: New York State.  
OSHA: Occupational Safety & Health Administration.  
PBT: Persistent, bioaccumulative, toxic.  
PEL: Permissible Exposure Limit.  
PNEC: Predicted No Effect Concentration.  
PPE: Personal Protective Equipment.  
RCRA: Resource Conservation Recovery Act.  
SCBA: Self-contained breathing apparatus.  
STEL: Short-term Exposure Limit.  
TDG: Transport of Dangerous Goods.  
TSCA: Toxic Substance Control Act.  
TWA: Time Weighted Average.  
USA: United States of America.  
vPvB: very Persistent, very Bioaccumulative.

## References

ACGIH: American Conference of Governmental Industrial Hygienists.  
ECHA: European Chemical Agency.  
ERG: Emergency Response Guide  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
HSDB® - Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer - Monographs  
NTP: National Toxicology Program - Report on Carcinogens  
OSHA: Occupational Safety and Health Administration.  
SI Group®: Test results  
[Vendor]

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