



Safety Data Sheet PCS Liquid Purge

Turn To The Industry Experts

1 IDENTIFICATION

Product identifier

Product Name: PCS Liquid Purge

Other means of identification

Product Number(s): PG1199-S, PG1199, PG1199-MC, PG1198-S, PG1198, PG1198-MC

Recommended use and restrictions on use

Recommended Use: Purging compound

Restrictions of Use: For industrial and professional use only. Not for consumer use.

Name, address, and telephone number of the responsible party

Company: PCS Company

Address: 34500 Doreka Drive
Fraser, MI 48026

Telephone: (800) 521-0546

Emergency telephone number

PCS Company: (800) 521-0546 (Monday – Friday, 8 AM – 5 PM ET)

2 HAZARD(S) IDENTIFICATION

Classification of the chemical

This product is classified as hazardous according to the OSHA Hazard Communication Standard (29 CFR §1910.1200).

Hazard(s): Toxic to reproduction, category 2

Signal word, hazard statements, symbols, & precautionary statements

Signal Word: Warning

Hazard Statement(s): Suspected of damaging fertility or the unborn child

GHS Symbol(s):



Precautionary Statements(s):

- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves.
- IF EXPOSED OR CONCERNED: Get medical advice.
- Store locked up.
- Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazards not otherwise classified (HNOC)

not applicable (N/A)

Ingredients of unknown acute toxicity

not applicable (N/A)

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

not applicable (N/A)

Mixtures

Hazardous components are listed below. The exact concentrations of composition (percentages) have been withheld as trade secrets.

Chemical Name(s)	CAS No.	Wt. %
Soybean oil	8001-22-7	30-70
Calcium carbonate (Limestone)	1317-65-3	10-30
Borates, tetra, sodium salts (decahydrate) (Borax)	1303-96-4	3-10
Silica, amorphous, chemically prepared	7631-86-9	0.1-1.0

4 FIRST AID MEASURES

Description of necessary measures

IF IN EYES: In case of contact with eyes, rinse immediately with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation occurs.

IF INHALED: Remove to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration and get immediate medical attention. Get medical attention if respiratory irritation occurs.

IF ON SKIN: Wash immediately with plenty of soap and water. Get medical attention if irritation or rash occurs.

IF SWALLOWED: Rinse mouth. Get medical attention if large amounts are swallowed or if person feels unwell.

Most important symptoms / effects, acute and delayed

- May cause skin, eye or respiratory irritation.

For more information, refer to Section 11: Toxicological Information.

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

Notes to Physician: Treat symptomatically.

5 FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable Use foam, carbon dioxide (CO₂), dry chemical, or water fog to extinguish fire.

Unsuitable Do not use high volume water jet as it may scatter and spread the fire.

Specific hazards arising from the chemical

Combustible liquid. Burning may produce hazardous combustion products, including carbon monoxide, carbon dioxide, and other toxic gases. Spilled product may present a slip hazard on floors.

Special protective equipment and precautions for fire-fighters

Standard protective equipment for fighting chemical fires should be used, including self-contained breathing apparatus (SCBA) and full fire-fighting turn-out gear (full Bunker gear).

Caution: CO₂ used for extinguishing will displace air in confined spaces and may cause an oxygen deficient atmosphere.

Move undamaged containers from the immediate hazard area if it can be done safely.

Water used for extinguishing a fire must be prevented from draining into sewers or being released to the environment.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Spilled product may present a slip hazard on floors. Avoid personal contact. Wear personal protective equipment (See Section 8: Exposure Controls / Personal Protection). Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Do not allow substance to enter into surface water or drains.

Methods and materials for containment and cleaning up

Pick up with inert adsorbent material (sand, vermiculite, earth, *etc.*). Sweep up and collect material into suitable containers for reuse or disposal (See Section 13: Disposal Considerations).

7 HANDLING AND STORAGE

Precautions for safe handling

Do not breathe vapors generated in high temperature processing operations, and avoid contact with eyes and skin. Use only with adequate ventilation. Do not eat, drink, or use tobacco products while working. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Spent purging compounds contain chemical residues (colorants, additives, fillers, polymers, and their degradation products) removed from process equipment, which may be hazardous. Handle spent purging compounds with protective gloves (refer to Section 8: Exposure Controls/Personal Protection). Purging compounds exiting process equipment are hot, and should be handled with thermal protection and never with bare hands.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry, and well-ventilated place. Avoid exposure to heat. Keep away from acids (See Section 10: Stability and Reactivity). Store locked up.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Soybean oil CAS No. 8001-22-7	ACGIH	Vegetable oil TLV®: 10 mg/m ³ TWA
	OSHA	Vegetable oil mist PEL: 15 mg/m ³ TWA (total) PEL: 5 mg/m ³ TWA (respirable fraction) Table Z-1, 29 CFR §1910.1000

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Calcium carbonate (Limestone) CAS No. 1317-65-3	ACGIH	TLV®: 10 mg/m³ TWA Notes: Inhalable particulate matter containing no asbestos and <1% crystalline silica.
	OSHA	PEL: 15 mg/m³ TWA (total dust) PEL: 5 mg/m³ TWA (respirable fraction) Table Z-1, 29 CFR §1910.1000
Borates, tetra, sodium salts (decahydrate) CAS No. 1303-96-4	ACGIH	TLV®: 2 mg/m³ TWA STEL: 6 mg/m³
Silica, amorphous, chemically prepared CAS No. 7631-86-9	ACGIH	TLV®: 10 mg/m³ TWA
	OSHA	PEL: 20 mppcf TWA; 80 mg/m³ / [% SiO₂] TWA Table Z-3, 29 CFR §1910.1000

Appropriate engineering controls

Work in well ventilated areas. The use of local exhaust ventilation is recommended to control air contaminants. Provide mechanical ventilation for confined spaces. Use mechanical handling to reduce human contact with materials.

Individual protective measures, such as personal protective equipment

The following recommendations are advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by the customer.

Eye/Face Protection	No special measures required when handling product as supplied in plastic bags. If there is potential for direct exposure to the product, wear safety glasses with side shields or safety goggles.
Skin Protection	No special measures required when handling product as supplied in plastic bags. If there is potential for direct exposure to the product, wear chemical-resistant protective gloves. Purging compounds exiting process equipment are hot, and should be handled with thermal protection and never with bare hands.
Respiratory Protection	Wear NIOSH-approved respiratory protection if there is potential for exposures to exceed control limits, and in non-routine or emergency situations.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance	off white opaque liquid in poly bags
Odor	no information available
Odor threshold	no information available
pH	no information available
Melting range	no information available
Boiling point	no information available
Flash point	no information available
Evaporation rate	no information available
Flammability	combustible liquid
Upper flammability limit	no information available

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Lower flammability limit	no information available
Vapor pressure	no information available
Vapor density	no information available
Relative density	no information available
Solubility in water	no information available
Partition coefficient (octanol/water)	no information available
Auto-ignition temperature	no information available
Decomposition temperature	no information available
Viscosity	no information available

10 STABILITY AND REACTIVITY

Reactivity

Stable under normal ambient and anticipated storage and handling conditions. Reacts with acids forming salts, water, and carbon dioxide.

Chemical stability

Stable under normal ambient and anticipated storage and handling conditions. Stable below 150°F (65°C). Water and carbon dioxide are produced on thermal decomposition.

Possibility of hazardous reactions

Combustible liquid

Conditions to avoid

Acids

Incompatible materials

Acids

Hazardous decomposition products

None known. Water and carbon dioxide are produced on thermal decomposition.

11 TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

The product is supplied in plastic bags, which reduces the potential for exposure. When used as directed, the most likely route of exposure is inhalation of vapors produced during high temperature purging operations.

Symptoms related to physical, chemical, and toxicological characteristics

Eyes	May cause minor eye irritation.
Inhalation	Vapors produced during high temperature processing operations may cause respiratory irritation.
Skin	May cause minor skin irritation.
Ingestion	May be harmful if large amounts are swallowed.
Target Organ Effects	This product contains a borate compound (borax). Borates have shown adverse reproductive and developmental effects in animals after chronic exposure to large amounts by ingestion.
Chronic Effects	This product contains a borate compound (borax). Borates have shown adverse reproductive and developmental effects in animals after chronic exposure to large amounts by ingestion.

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******* This product contains a borate compound (borax). Despite evidence that borates are safe for people and the environment under normal conditions of use, the European Commission reached a decision to classify borates as toxic to reproduction in September 2009, followed by the governments of Australia, New Zealand, and Japan. They based their decision on animal studies that do not reflect human exposure under conditions of normal handling and use and ignore the fact that the greatest exposure to borates is through a healthy diet. While iD Additives disagrees with the classification and remains confident that our products are safe, we comply with this classification and it is on used on this Safety Data Sheet and product Labeling accordingly. *******

Toxicological endpoint summary, including delayed and immediate effects, and chronic effects from short-term and long-term exposure; and numerical measures of toxicity

Acute Toxicity (Oral)

Not classified according to GHS criteria based on available data: $ATE_{mixture} > 2,000 \text{ mg/kg}$.

Acute Toxicity (Inhalation)

Not classifiable due to lack of component data.

Acute Toxicity (Dermal)

Not classified according to GHS criteria based on available data: $ATE_{mixture} > 2,000 \text{ mg/kg}$.

Skin Corrosion / Irritation

Not classified based on available data for the components and the GHS rules for the classification of mixtures.

Eye Damage / Irritation

Not classified based on available data for the components and the GHS rules for the classification of mixtures.

Respiratory Sensitization

Not classifiable due to lack of component data.

Skin Sensitization

Not classified based on available data for the components and the GHS rules for the classification of mixtures.

Germ Cell Mutagenicity

Not classified based on available data for the components and the GHS rules for the classification of mixtures.

Carcinogenicity

Not classified based on available data for the components and the GHS rules for the classification of mixtures. This product contains no known components listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition); nor known components that have been found to be carcinogenic, probably carcinogenic, or possibly carcinogenic to humans (Groups 1, 2A, 2B) in the International Agency for Research on Cancer (IARC) Monographs (latest edition), nor known components found to be a potential carcinogen by OSHA.

Reproductive Toxicity

Classified as toxic to reproduction (category 2) based on available data for the components and the GHS rules for the classification of mixtures.

Soybean oil: Not classified as toxic to reproduction based on available data.

Calcium carbonate: Not classified as toxic to reproduction based on available data.

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Borax: *Classified as toxic to reproduction (Category 2) based on animal data. Adverse effects have not been observed in human workers occupationally exposed to borates.*

Silica, amorphous: *Not classified as toxic to reproduction based on available data.*

Specific target organ toxicity (single exposure)

Not classifiable due to lack of component data.

Specific target organ toxicity (repeated exposure)

Not classified based on available data for the components and the GHS rules for the classification of mixtures.

Aspiration Hazard

Not classifiable due to lack of data.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity

Not classified based on available data for the components and the GHS summation method for the classification of mixtures.

Terrestrial Toxicity

no information available

Persistence and degradability

no information available

Bioaccumulative potential

no information available

Mobility in soil

no information available

Other adverse effects

no information available

13 DISPOSAL CONSIDERATIONS

Recover or recycle if possible. Offer surplus or non-recyclable material to a licensed waste disposal company. Do not dispose by flushing down drains or sewers.

Disposal of product and contaminated packaging should be in accordance with applicable local, state/provincial, and national laws and regulations. Local regulations may be more stringent than state/provincial or national requirements.

14 TRANSPORT INFORMATION

UN number

not regulated

UN proper shipping name

not regulated

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Transport hazard class(es)

not regulated

Packing group

not regulated

Environmental hazard(s)

not regulated

Transport in bulk

no information available

Special precautions

no information available

15 REGULATORY INFORMATION

Inventory Status

United States (TSCA) All components listed (Active Substances) or exempt from listing

USA Federal SARA Title III Rules

Section 302 No components of this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 313 This material contains no known component(s) listed on the Section 313 Toxic Chemical List.

Section 311/312 Hazards: Refer to Section 2: Hazard(s) identification.

California Proposition 65

This product contains no known components listed as carcinogenic or toxic to reproduction under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) as of March 19, 2020.

16 OTHER INFORMATION

Revision Date

June 16, 2021

Date of Previous Version

not applicable (N/A)

Reasons for Revision

New product

Additional Information

not applicable (N/A)

The following supersedes Buyer's Documents. The information contained herein is believed to be reliable. However, PCS Company makes no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular purpose, for the product or products referred to herein. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. No statements or recommendations contained herein are to be construed as inducements to infringe any relevant patent, now or hereafter in existence. Under no circumstances shall PCS Company be liable for incidental, consequential, or other damages from alleged negligence, breach of warranty, strict liability,

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or any other legal theory, arising out of the use or handling of the product or products referred to herein. The sole remedy of the buyer and sole liability of PCS Company for any claims shall be limited to the buyers purchase price of the product which is subject of the claim or the amount actually paid for each product, whichever is less. Technical advice furnished by seller shall not constitute a warranty, which is expressly disclaimed, all such advice being given and accepted at the buyer's risk.

End of SDS