

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: July 30, 2024

1 Identification

- **Product identifier**
- **Trade name: Pretreat Plus® 0100 Concentrate (Green)**
- **Other means of identification:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Antiscalant/Dispersant
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
King Lee Technologies
8949 Kenamar Drive. Bldg 107
San Diego, CA 92121
858-693-4062
klt@kingleetech.com
- **Emergency telephone number:**
VelocityEHS
800-255-3924 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to paragraph (d) of 29
CFR 1910.1200:
None.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**
None.
- **Signal word:**
None.
- **Hazard statements:**
None.
- **Precautionary statements:**
None.
- **Other hazards** Spills cause slip hazard.

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3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

| | |
|--------------|--|
| Trade Secret | Substances: This product is a mixture. Reportable hazardous components: None. |
|--------------|--|

· **Additional information:**

For the mixture ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately rinse with water.
If skin irritation is experienced, consult a doctor. Get medical attention if irritation develops.
- **After eye contact:**
Protect unharmed eye.
Remove contact lenses if worn.
Rinse immediately for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:**
None when used as directed.
- **Indication of any immediate medical attention and special treatment needed:**
No relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Water. Foam. Carbon dioxide. Dry powder.
Beware slip hazard.
- **For safety reasons unsuitable extinguishing agents:** No relevant information available.
- **Special hazards arising from the substance or mixture**
Hazardous decomposition products: Carbon oxides (CO_x)
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.

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· **Additional information:** Extreme slip hazard when spilled. Burns after water evaporates.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Wear personal protective equipment. Keep unprotected persons away.

Beware extreme slip hazard when spilled.

· **Environmental precautions**

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

· **Methods and material for containment and cleaning up**

Do not flush with water

For spills, isolate then add sawdust, chalk or other inert binding material. Then sweep up or scoop up and discard.

· **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

· **Handling**

· **Precautions for safe handling:**

Extreme slip hazard.

Avoid contact with eyes and skin.

· **Information about protection against explosions and fires:** No relevant information available.

· **Conditions for safe storage, including any incompatibilities**

· **Requirements to be met by storerooms and receptacles:**

Store in cool, dry conditions in well-sealed receptacles.

Do not allow to freeze.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

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

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be

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monitored at the workplace.

- **Exposure controls**
- **Engineering controls:** Provide adequate ventilation. In case of mist, use exhaust.
- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device when aerosol or mist is formed.
- **Protection of hands:**



Impervious gloves

- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** Protective work clothing/chemical resistant suit if splashing or contact is likely.
- **Limitation and supervision of exposure into the environment**
Stop discharge immediately.
- **Risk management measures** No relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

- **Appearance:**
 - **Form:** Fluid
 - **Color:** Colorless to pale yellow
- **Odor:** Mild
- **Odor threshold:** Not determined.
- **pH-value:** 3.0 ± 2.0
- **Melting point/Melting range:** As water
- **Boiling point/Boiling range:** As water
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.

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| | |
|---|------------------------------------|
| · Auto-ignition temperature: | Not applicable. |
| · Decomposition temperature: | No relevant information available. |
| · Danger of explosion: | Not determined. |
| · Explosion limits Lower: | Not determined. |
| Upper: | Not determined. |
| · Oxidizing properties: | Not determined. |
| · Vapor pressure: | Not determined. |
| · Density: Relative density: | 1.2 ± 0.2 |
| Vapor density: | As water. |
| Evaporation rate: | As water. |
| · Solubility in / Miscibility with Water: | Soluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Other information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Possibility of hazardous reactions**
No dangerous reaction known when used as directed.
- **Conditions to avoid** Exposure to the elements: freezing temperatures and heat/sunlight.
- **Incompatible materials** None determined.
- **Hazardous decomposition products**
Carbon Oxides (CO_x)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

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- **LD/LC50 values that are relevant for classification:** >5000 mg/kg approximate.
- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.

· **IARC (International Agency for Research on Cancer):**

Information not available.

· **NTP (National Toxicology Program):**

Information not available.

· **OSHA-Ca (Occupational Safety & Health Administration):**

Information not available.

· **Probable route(s) of exposure:**

- Ingestion.
- Eye contact.
- Skin contact.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity** LC50/Oncorhynchus mykiss/96 hours > 100 mg/L
- **Persistence and degradability** Not readily biodegradable.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **Results of PBT and vPvB assessment**
- **PBT:** No relevant information available.
- **vPvB:** No relevant information available.
- **Other adverse effects** No relevant information available.
- **General Notes:** Do not allow undiluted product or large quantities to reach ground water, water course, or sewage system.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
The user of this material has the responsibility to dispose of unused material, residues and containers in

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compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

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

14 Transport information

· **UN-Number**
 · **DOT, ADR, IMDG, IATA** Based on available data, the classification criteria are not met.

· **UN proper shipping name**
 · **DOT, IATA** Based on available data, the classification criteria are not met.
 · **ADR, IMDG** Based on available data, the classification criteria are not met.

· **Transport hazard class(es)** Based on available data, the classification criteria are not met.
 · **DOT**

· **Class**
 · **Label**

· **ADR** Based on available data, the classification criteria are not met.

· **Class**
 · **Label**

· **IMDG, IATA** Based on available data, the classification criteria are not met.

· **Class**
 · **Label**

· **Packing group**
 · **DOT, ADR, IMDG, IATA**

· **Environmental hazards**
 · **Marine pollutant:** No

· **Special precautions for user**
 · **Danger code (Kemler):**
 · **EMS Number:**

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| | |
|--|-----------------|
| · Segregation groups | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · DOT | Not applicable. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**

| | |
|-----------------|--|
| · SARA | |
| Not applicable. | |

| | |
|---|--|
| · TSCA (Toxic Substances Control Act) | |
| All components are active or exempt from US EPA TSCA inventory. | |

| | |
|--------------------------------------|--|
| · Proposition 65 (California) | |
| Not applicable. | |

| | |
|--|--|
| · EPA (Environmental Protection Agency) | |
| Not applicable. | |

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.

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· Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulable, Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health Administration