

# Safety Data Sheet

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

Printing date: September 18, 2019

Revision: July 30, 2024

## 1 Identification

- **Product identifier**
- **Trade name:** Nutreat™ 1700
- **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**  
Not classified according to 29 CFR 1910.1200.

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- **Label elements**  
None
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**  
None applicable
- **Signal word:**  
None applicable
- **Hazard statements:**  
None applicable
- **Precautionary statements:**  
None

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- **Other hazards** Slip hazard.

## 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures

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**· Components:**

Trade Secret

Trade Secret

**· Additional information:** Non-hazardous chemical components are not required to be listed. Component identities and 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 wash with soap and water.  
If skin irritation is experienced, consult a doctor.

**· After eye contact:**

Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:**

Rinse out mouth and immediately call for medical help.  
Do not induce vomiting.

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

Temporary eye irritation.

**· 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, dry powder, CO2

**· For safety reasons unsuitable extinguishing agents:** Do not use high pressure water jet.

**· Special hazards arising from the substance or mixture**

Carbon Oxides are decomposition products

**· Advice for firefighters**

**· Protective equipment:**

Wear self-contained respiratory protective device and full protective clothing.

**· Additional information:** Slip hazard. If possible, move containers from fire hazard area.

## 6 Accidental release measures

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

Ensure adequate ventilation.  
Use personal protective equipment as required.  
Slip hazard.

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- **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**

Add sawdust, chalk or other inert binding material, then sweep up and discard. Cloth may be used for small spills. Send for recovery or disposal in suitable receptacles. Flush cleaned area with water.

- **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:**

Avoid contact with the eyes and skin.  
Slip hazard.

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

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

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

Store in cool, dry conditions in well sealed receptacles.

- **Information about storage in one common storage facility:** Store away from foodstuffs and strong oxidizers.

- **Specific end use(s)** Do not freeze or expose to heat or direct sunlight.

### 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 monitored at the workplace.

- **Exposure controls**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

- **Engineering controls:** Adequate ventilation.

- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation and when aerosol or mist is present..

- **Protection of hands:**



Protective gloves

Gloves are advised for repeated or prolonged contact.

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· **Eye protection:**

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Safety glasses with side shields or goggles.

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:** Protective clothing

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

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

· **Risk management measures** No relevant information available.

**9 Physical and chemical properties**

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

· **Appearance:**

**Form:** Liquid  
**Color:** Clear to off-white, semi-transparent

· **Odor:** Mild.

· **Odor threshold:** Not determined.

· **pH-value:** 3.2±0.9

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Approximately 100 deg C.

· **Flash point:** Not determined.

· **Flammability (solid, gaseous):** Not determined.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Not determined.

· **Explosion limits**

**Lower:** Not applicable.

**Upper:** Not applicable.

· **Oxidizing properties:** Not oxidizing.

· **Vapor pressure:** Not determined.

· **Density:**

**Relative density:** 1.25±0.15

**Vapor density:** Not determined.

**Evaporation rate:** Not determined.

· **Solubility in / Miscibility with**

**Water:** Soluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity**

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<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Other information</b>	No relevant information available.

## 10 Stability and reactivity

- **Reactivity:** Not applicable under normal usage and normal temperatures and pressures.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
Carbon oxides.
- **Possibility of hazardous reactions**  
None known.
- **Conditions to avoid** Do not freeze or expose to heat or direct sunlight. Avoid strong oxidizing agents.
- **Incompatible materials** None known.
- **Hazardous decomposition products**  
Carbon oxides.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Not determined.
- **LD/LC50 values that are relevant for classification:** >5000 mg/kg
- **Primary irritant effect:**
- **On the skin:** Temporary irritation.
- **On the eye:** Temporary irritation.
- **Sensitization:** Based on available data, the classification criteria are not met.

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

Not applicable.

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

Not applicable.

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

Not applicable.

· **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.

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· **Aspiration hazard:** Based on available data, the classification criteria are not met.

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### 12 Ecological information

- **Toxicity**
- **Environmental toxicity** Not classified as hazardous to the environment.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not determined.
- **vPvB:** Not determined.
- **Other adverse effects** No relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
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 packagings**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |   |                |
|---|----------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· DOT, ADR, IMDG, IATA</li> </ul>  | Not regulated. |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· DOT, ADR, IMDG, IATA</li> </ul>                            | Not regulated. |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· DOT, ADR, IMDG, IATA</li> <li>· <b>Class</b></li> </ul> | Not regulated. |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· DOT, ADR, IMDG, IATA</li> </ul>                                      | Not regulated. |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards</b></li> </ul>  |                |

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- |  |                 |
|--|-----------------|
| <b>· Marine pollutant:</b>   | No              |
| <b>· Special precautions for user</b>  | Not applicable. |
| <b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |

### 15 Regulatory information

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

**· Section 302 (extremely hazardous substances):**

Not regulated.

**· Section 355 (extremely hazardous substances):**

Not regulated.

**· Section 313 (Specific toxic chemical listings):**

Not regulated.

**· TSCA (Toxic Substances Control Act)**

All components are active or exempt from US EPA TSCA inventory.

**· Proposition 65 (California)**

**· Chemicals known to cause cancer:**

Not applicable.

**· Chemicals known to cause developmental toxicity for females:**

Not applicable.

**· Chemicals known to cause developmental toxicity for males:**

Not applicable.

**· Chemicals known to cause developmental toxicity:**

Not applicable.

**· EPA (Environmental Protection Agency):**

Not applicable.

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

Not applicable.

**· Canadian Domestic Substances List (DSL) (Substances not listed.):**

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  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

**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: 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

**Emergency Response:**

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