



# SAFETY DATA SHEET

Issue Date 17-Oct-2014

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Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** BARRIER FLUID 5

**Other means of identification**

**Product code:** 340011

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Lubricant.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

Summit Industrial Products  
9010 County Road 2120  
Tyler, Texas 75707  
Phone: (903) 534-8021  
Fax: (903) 581-4376

**Emergency telephone number**

**Emergency Telephone** CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Aspiration toxicity	Category 1

**Label elements**

### EMERGENCY OVERVIEW

**Signal word**

Danger

**Hazard statements**

Harmful if inhaled

May be fatal if swallowed and enters airways



<b>Appearance</b> Oil	<b>Physical state</b> Liquid	<b>Odor</b> Mild
<b>Precautionary Statements - Prevention</b>		
Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area		
<b>Inhalation</b> IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell		
<b>Ingestion</b> IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do not induce vomiting		
<b>Precautionary Statements - Storage</b>		
Store locked up		
<b>Precautionary Statements - Disposal</b>		
Dispose of in accordance with federal, state and local regulations		
<b>Hazards not otherwise classified (HNOC)</b>		
<b>Other information</b>		
• Harmful to aquatic life with long lasting effects		
<b>Unknown Acute Toxicity</b>		
0.34% of the mixture consists of ingredient(s) of unknown toxicity		

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Components	CAS-No	Weight %	Trade Secret
1-Decene, Dimer, hydrogenated	68649-11-6	70-99	*

### 4. FIRST AID MEASURES

#### First aid measures

<b>Eye contact:</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
<b>Inhalation:</b>	Move to fresh air. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.
<b>Ingestion:</b>	Call a physician immediately. Do not induce vomiting. Risk of product entering the lungs on vomiting after ingestion. Aspiration may cause pulmonary oedema and pneumonitis. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

#### Indication of any immediate medical attention and special treatment needed

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray mist or foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

**Specific hazards arising from the chemical**

In the event of fire, cool tanks with water spray.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions:** Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

**Environmental precautions**

**Environmental precautions:** Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Components	ACGIH TLV	OSHA (TWA mg/m <sup>3</sup> ):	IDLH:
1-Decene, Dimer, hydrogenated - 68649-11-6	5 mg/m <sup>3</sup> (oil mist)	5 mg/m <sup>3</sup> (oil mist)	

**Appropriate engineering controls**

**Engineering measures to reduce exposure:** Ensure adequate ventilation, especially in confined areas.

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

**Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection:** Nitrile rubber

**Eye protection:** Safety glasses

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b> Liquid			
<b>Appearance</b> Oil	<b>Odor</b> Mild	<b>Color</b> Clear	<b>Odor threshold</b> No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	<u>pH</u>	<u>Not applicable</u>
<b>Melting point/freezing point</b>	No information available		<b>Boiling point / boiling range</b>	> 220 °C / 428 °F
<b>Flash point</b>	> 148 °C / 300 °F	Cleveland Open Cup	<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available		<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available		<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available		<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	< 0.9		<b>Water solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	No information available		<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available		<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	approx. 5.1 cSt @ 40 °C		<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>		No information available		
<b>Oxidizing properties</b>		No information available		

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

**10. STABILITY AND REACTIVITY****Reactivity**

Not applicable

**Chemical stability**

<b>Stability</b>	Stable under normal conditions
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**Possibility of Hazardous Reactions**

<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.

**Conditions to avoid**

<b>Conditions to avoid</b>	No special storage conditions required
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**Hazardous Decomposition Products**

<b>Hazardous Decomposition Products</b>	None under normal processing
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**Incompatible materials**

<b>Incompatible materials</b>	Oxidising agents
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## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Harmful by inhalation and if swallowed
<b>Eye contact</b>	May cause slight irritation.
<b>Skin contact</b>	Substance may cause slight skin irritation.
<b>Inhalation</b>	Harmful by inhalation. Avoid breathing vapors or mists. Aspiration into lungs can produce severe lung damage.
<b>Ingestion</b>	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

### Information on toxicological effects

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No sensitization responses were observed.
<b>Mutagenic effects:</b>	Did not show mutagenic or teratogenic effects in animal experiments.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards.
<b>STOT - Single Exposure</b>	None under normal use conditions.
<b>STOT - Repeated Exposure</b>	None under normal use conditions.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

#### Numerical measures of toxicity - Product Information

<b>Unknown Acute Toxicity</b>	0.34% of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	5063 mg/kg
<b>ATEmix (dermal)</b>	2025 mg/kg
<b>ATEmix (inhalation-vapor)</b>	1.17 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects

0.34% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and degradability

Readily biodegradable, according to appropriate OECD test. (based on components).

### Bioaccumulation

No information available.

### Mobility

The product is insoluble and floats on water.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

## 14. TRANSPORT INFORMATION

DOT

Not Regulated by any means of transportation

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA:</b>	Listed in TSCA
<b>DSL:</b>	All of the components in this product are listed in DSL
<b>EINECS/ELINCS</b>	This product complies with EINECS/ELINCS
<b>CHINA:</b>	This product complies with China IECSC.
<b>KECL:</b>	This product complies with Korea KECL.
<b>PICCS:</b>	This product complies with Philippines PICCS.
<b>AICS:</b>	All the constituents of this material are listed on the Australian AICS

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **State Regulations (RTK)**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations****U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION****Nfpa:**

Health: 1

Flammability: 1

Instability 0

NFPA/HMIS \* for Carc, Muta, Tera, Specific Organ \*

**HMIS health rating:**

Health: 2

Flammability: 1

Physical hazards 0

Personal protection B

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Revision Note

Not applicable

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**