Safety Data Sheet (SDS)
OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

SECTION 1: Identification of the substance/mixture and of the company/undertaking

<table>
<thead>
<tr>
<th>Product identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product form:</td>
</tr>
<tr>
<td>Trade name:</td>
</tr>
<tr>
<td>Product code:</td>
</tr>
<tr>
<td>Recommended application:</td>
</tr>
</tbody>
</table>

Details of the supplier of the safety data sheet
Duratherm
P.O Box 563, Lewiston, NY, 14092
Telephone: 1-905-984-6677
Qualified person's e-mail address: info@durathermfluids.com

Emergency telephone number:
Tel.: 1-905-984-6677

SECTION 2: Hazards identification

Classification of the substance or mixture
This substance is not classified according to the Globally Harmonized System (GHS)

<table>
<thead>
<tr>
<th>Label elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS label elements:</td>
</tr>
<tr>
<td>Hazard pictograms:</td>
</tr>
<tr>
<td>Signal word:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification system</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA Rating: Health: 0, Fire:1, Reactivity:0</td>
</tr>
<tr>
<td>HMIS Rating: Health: 0, Fire:1, Reactivity:0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Hazards:</td>
</tr>
</tbody>
</table>

SECTION 3: Composition/information on ingredients

3.1 Substance
Not applicable

3.2 Mixture
Chemical Characterization: Mixture
Classification according to GHS: Not classified
Dangerous Components: None, non-regulated material

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Identification</th>
<th>Classification according to GHS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siloxane</td>
<td>CAS #: 63148-62-9</td>
<td>Not classified</td>
<td>95-99%</td>
</tr>
<tr>
<td>Proprietary Additives</td>
<td>Trade Secret</td>
<td>Not classified</td>
<td>1-5%</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

Description of first aid measures

Inhalation: Supply person with fresh air and consult doctor according to symptoms.

Skin contact: Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact: Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion: Rinse the mouth thoroughly with water. Do not induce vomiting. Consult doctor immediately.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically

SECTION 5: Firefighting measures

Suitable extinguishing media: Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing media: High volume water jet

Special hazards arising from the substance or mixture
In case of fire the following can develop: Oxides of carbon, toxic gases

Advice for firefighters
In case of fire and/or explosion do not breathe fume use protective respirator with independent air supply. According to size of fire use full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions protective equipment: Not required

Environmental precautions: If leakage occurs, dam spillage and resolve leaks as soon as possible. Prevent fluid from entering drainage systems. If fluid accidentally enters drainage system alert authorities

Methods and material for containment and cleaning up
Soak up with absorbent material (e.g. universal binding agent, oil-dry, sand, diatomaceous earth) and dispose in accordance with local regulations

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

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

Precautions for safe handling: No special measures required
Information about protection against explosions or fires: No special measures required
Requirements to be met by storerooms: Store in a cool dry place
General guidelines: Ensure good ventilation; avoid contact with eyes or skin

Notes on general hygiene measures at the workplace
General hygiene measures for the handling of chemicals are applicable
Wash hands before breaks and at end of work
Keep away from food, drink and animal feed
Remove contaminated clothing and protective equipment before entering areas in which food is consumed
SECTION 8: Exposure controls/personal protection

Control parameters
No further data; see Section 7

Exposure controls:
Appropriate engineering controls: Contain with oil absorbing material (oil dry). Remove oil absorbing material and dispose lawfully

Personal protective equipment:
Hand protection: PVC, neoprene, or nitrite gloves. Gloves should be replaced immediately if damaged or worn
Eye protection: Eye protection necessary where liquid could be splashed or sprayed
Materials for protective clothing: PVC, neoprene, or nitrite gloves
Hand protection: In case of repeated or prolonged contact wear gloves and use moisturizing skin cream
Respiratory protection: Normally not required in areas with adequate ventilation. In areas with poor ventilation or in the case of likely misting use appropriate respiratory equipment

Environmental exposure controls: See section 12
Consumer exposure controls: PVC gloves. Neoprene or nitrile rubber gloves
Other: Wash hands thoroughly after exposure. Do not eat drink or smoke during use. Wash contaminated clothing before use

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid
Color: Light yellow, clear
Odor: Characteristic
Odor threshold: Not determined
pH-value: Not determined
Melting point/freezing point: Not determined
Initial boiling point and boiling range: >400°F (>204°C)
Flash Point ASTM D92 (COC): >600°F (>315°C)
Evaporation Rate: NA
Flammability (solid, gas): NA
Lower explosive limit: Not determined
Upper explosive limit: Not determined
Density @ 20°C: 0.90-0.99 g/ml
Bulk density: NA
Solubility(ies): Not determined
Water solubility: Insoluble
Partition coefficient (n-octanol/water) Not determined
Auto-ignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: 25 cSt @ 40°C
Explosive properties: NA
Oxidizing properties: Not determined

Other information
Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined
Solvents content: Not applicable

SECTION 10: Stability and reactivity
Reactivity: Stable under normal conditions
Chemical Stability: Stable under normal conditions
Possibility of hazardous reactions: No dangerous reactions known
Conditions to avoid: See section 7
Incompatible materials: Strong oxidizing agents, acids
Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

Possibly more information on health effects, see Section 2 (classification).

Acute toxicity: Not Classified

<table>
<thead>
<tr>
<th>Toxicity/effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt;5000</td>
<td>mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LD50</td>
<td>&gt;2500</td>
<td>mg/kg/4hr</td>
<td>Rat</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified – Unlikely to cause harm to harm to skin with brief contact, long term contact may cause dermatitis
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Repeated does toxicity: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Other information: No further information available

SECTION 12: Ecological information

<table>
<thead>
<tr>
<th>Toxicity/effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish:</td>
<td>LD50</td>
<td>&gt;100,000</td>
<td>mg/kg/96hr</td>
<td>Trout</td>
<td>n.d.a.</td>
</tr>
<tr>
<td>Toxicity to daphnia:</td>
<td>LD50</td>
<td>&gt;100,000</td>
<td>n.d.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity to algae:</td>
<td>LD50</td>
<td>&gt;100,000</td>
<td>n.d.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Persistence and degradability:</td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobility in soil:</td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Results of PBT and vPvB assessment:</td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other adverse effects:</td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

Waste treatment methods
For the substance / mixture / residual amounts
Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of
For contaminated packing material
Pay attention to local and national official regulations
Empty container completely.
Uncontaminated packaging can be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the substance.
Do not perforate, cut up or weld un-cleaned container.

**SECTION 14: Transport information**

**Transport statements**

**UN number**
- DOT, ADN, IMDG, IATA: Non-regulated material
- ADR: Non-regulated material

**UN proper shipping name:**
- DOT, ADR, ADN, IMDG, IATA: Non-regulated material

**Transport hazard class(es)**
- DOT, ADR, ADN, IMDG, IATA: Non-regulated material

**Packaging Group**
- DOT, ADR, ADN, IMDG, IATA: Non-regulated material

**Environmental hazards**
- Marine pollutant: No
- Special precautions for users: None
- Transport in bulk according to Annex II: of MARPOL 73/78 and IBC Code UN “Model Regulation” Not applicable

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **SARA Hazards**: No SARA Hazards
- **TSCA (Toxic Substances Control Act):**
  - All chemical substances in this mixture are included on or are exempted from listing on the TSCA Inventory for Chemical Substances

 **Proposition 65**
 - Based on available information this product does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65

**Labeling requirements**
- **GHS label elements**: Non-regulated material
- **Hazard pictograms**: Non-regulated material
- **Signal word**: Non-regulated material

**SECTION 16: Other information**

These details refer to the product as it is delivered.

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

**Any abbreviations and acronyms used in this document:**

- **AC**: Article Categories
- **acc., acc. to**: according, according to
- **ADR**: Accord européen relatif au transport international des marchandises Dangereuses par Route
- **Art., Art. no.**: Article number
- **ATE**: Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
- **BOD**: Biochemical oxygen demand
- **CAS**: Chemical Abstracts Service
- **CEC**: Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants
- **CLP**: Classification, Labeling and Packaging (REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures)
- **CTFA**: Cosmetic, Toiletry, and Fragrance Association
- **e.g.**: for example (abbreviation of Latin ‘exempli gratia’), for instance
- **EC**: European Community
- **ECHA**: European Chemicals Agency
EEA   European Economic Area
EEC   European Economic Community
EINECS European Inventory of Existing Commercial Chemical Substances
ELINCS European List of Notified Chemical Substances
EN    European Norms
EPA   United States Environmental Protection Agency (United States of America)
ERC   Environmental Release Categories
ES    Exposure scenario
Fax.  Fax number
gen.  general
GHS   Globally Harmonized System of Classification and Labelling of Chemicals
HMIS  Hazardous Material Identification System
IARC  International Agency for Research on Cancer
IATA  International Air Transport Association
IBC   Intermediate Bulk Container
IBC (Code) International Bulk Chemical (Code)
IC    Inhibitory concentration
LC    lethal concentration
LC50  lethal concentration 50 percent kill
LD50  Lethal Dose, 50% kill
n.a.  not applicable
n.av.  not available
n.c.  not checked
n.d.a. no data available
NFPA  National Fire Protection Association
ppm   parts per million
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC   Volatile organic compounds
WHO   World Health Organization
wwt   wet weight

These statements were made by:
Duratherm, P.O Box 563, Lewiston, NY, 14092, Tel.: 1-905-984-6677, info@durathermfluids.com