



## Section 1. Product and Company Identification

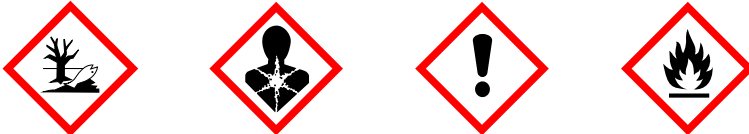
**Product Name:** 4000-100-10  
**Recommended Use(s):** Silicone fluid  
**Non-Recommended / Restricted Use(s):** None  
**Manufacturer:** Adfast  
 2685 Diab  
 Saint-Laurent Quebec H4S 1E7  
 Canada  
**Email:** servicemtl@adfastcorp.com  
**Url:** http://www.adfastcorp.com  
**Emergency Contact:** **Emergency Spills (CHEMTREC):** (800)424-9300  
**Emergency Spills (CANUTEC):** (613)996-6666

## Section 2. Hazard Identification

### GHS Classification for mixture:

Specific target organ toxicity - single exposure - Category 3 (Narcotic)  
 Hazardous to the aquatic environment, long-term (Chronic) - Category 2  
 Hazardous to the aquatic environment, short-term (Acute) - Category 2  
 Aspiration Hazard - Category 1  
 Serious eye damage/eye irritation - Category 2  
 Skin corrosion/irritation - Category 2  
 Flammable Liquids - Category 3

### Pictograms:



### Signal Words:

Danger

### Hazard Statements:

Flammable liquid and vapour.  
 May be fatal if swallowed and enters airways.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 May cause drowsiness or dizziness.  
 Toxic to aquatic life.  
 Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

#### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Keep container tightly closed.  
 Keep cool.  
 Ground and bond container and receiving equipment.  
 Use explosion-proof electrical, ventilating, lighting equipment.  
 Use non-sparking tools.  
 Take action to prevent static discharges.

Avoid breathing fume, mist, vapors, spray.  
 Wash hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Avoid release to the environment.  
 Wear protective gloves, eye protection.

#### Response

Immediately call a doctor.  
 IF SWALLOWED: Immediately call a POISON CENTER.  
 Call a doctor if you feel unwell.  
 If skin irritation occurs: Call a POISON CENTER if you feel unwell.  
 If eye irritation persists: Get medical attention.  
 If skin irritation occurs: Get medical attention.  
 Do NOT induce vomiting.  
 If eye irritation persists: get medical attention.  
 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes.  
 IF ON SKIN: Wash with plenty of water.  
 IF ON SKIN (or hair): Rinse skin with water or shower  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
 Take off contaminated clothing. And wash it before reuse.  
 In case of fire: Use alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.  
 Collect spillage.

#### Storage

Store in a well-ventilated place.  
 Store locked up.

#### Disposal

Dispose of contents to an approved waste disposal plant. Dispose of container to an approved waste disposal plant.

### Section 3. Composition / Information on Ingredients

Identifiers	Ingredients	Percentage	Classification
64742-47-8	Naphta Hydro treated	90%	
63148-62-9	Polydimethyl siloxane	10%	

### Section 4. First-Aid Measures

#### First-Aid: Eyes

Wash with plenty of water. Hold eyelids open to ensure adequate flushing. Remove the contact lenses immediately, if worn. Continue rinsing. If redness or other symptoms persist, seek medical advice / attention.

#### First-Aid: Skin

Wash contaminated areas thoroughly with water. Take off all contaminated clothing and wash it before reuse. If redness or other symptoms occurs, seek medical advice/attention.

#### First-Aid: Ingestion

Product has no known ingestion hazards. DO NOT INDUCE VOMITING. In case of ingestion of large quantities immediately take the exposed person to hospital. Rinse the mouth with water. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

#### First-Aid: Inhalation

If after inhalation you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Loosen tight clothing such as a collar, tie, belt, or waistband. If the exposed person is not breathing, provide artificial respiration.

## Section 5. Fire-Fighting Measures

### Suitable Extinguishing Media

**The suggested appropriate media:** Carbon dioxide. Dry chemical. Foam. Water spray.

### Protective Measures for Fire-Fighting

Wear self-contained breathing apparatus.

### Special Protective Actions for Fire-Fighters

Move containers from the fire area if it is possible to do so without risk to personnel. Use water sprayer to cool the container that fire has spread to and the location affected by fire until fire is completely extinguished.

### Combustion Products

Oxides of carbon (CO<sub>x</sub>). Hydro carbons. Carbonic anhydride.

### Specific Hazards Arising from Combustion of Products

**Fire / decomposition hazards:** Gas, vapors, or dust can spread along the ground and collect in low or confined areas. Vapor may travel considerable distance to source of ignition and flash back.

### Other Information for Fire Fighters

**Flammability:** Flammable liquid and vapor.

**Small fires:** Small fires can be extinguished with portable extinguishers.

## Section 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Avoid direct contact with the substance (solid / liquid / vapor). Immediately evacuate people from the area. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate area of leak or spill. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

### Environmental Precautions

Dike area to prevent runoff and contamination of water sources. Dispose the material in accordance with the government regulation. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). This product contains ingredients which are toxic to fish and invertebrates.

### Clean-up Procedures

Absorb with earth, sand, or other non-combustible material. Ensure cleanup is conducted by trained personnel only. Residual liquid should be absorbed and placed in separate container. Stop leak if safe to do so.

## Section 7. Handling and Storage

### Precautions for Safe Handling

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. Keep away from direct sunlight. Keep container tightly closed. Take action to prevent static discharges. Use explosion proof electrical equipment. Wash any exposed area of body thoroughly after handling. Wear protective goggles to prevent contact with eyes.

### Conditions for Safe Storage

**Keep away from:** Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. If needed, only use non-sparking tools in the storage area. Keep container closed when not in use. Respect the occupational health and safety standards. Store in a cool, dry, well-ventilated area away from incompatible substances (See section 10). Tanks must be grounded, vented, and should have vapor emission controls. Use explosion-proof electrical/ventilating/lighting equipment.

## Suitable Packaging

**Compatible container / packaging material:** Glass containers.

Store in original container / packaging.

## Incompatible Materials

Welding torches and similar materials present a flammability and explosion risk for this product.

# Section 8. Exposure Controls / Personal Protection

## Control Parameters / Limits for Component

### Naphta Hydro treated

NIOSH REL	TWA 350 mg/m <sup>3</sup> . Ceiling, 1800 mg/m <sup>3</sup> , 15 min.
OSHA PEL	TWA 500 ppm. TWA 2000 mg/m <sup>3</sup> .
ACGIH TLV	TWA 400 ppm.

### Polydimethyl siloxane

NIOSH REL	Not listed.
OSHA PEL	Not listed.
ACGIH TLV	Not listed.

## Engineering Measures

Eye wash stations are recommended where this product is stored, handled or used. Provide adequate general and local exhaust ventilation. Respect the occupational health and safety standards. Take action to prevent static discharges.

## Respiratory Protection

No special respiratory protection specified for the product.

## Eye/Face Protection

Wear safety goggles.

## Skin and Body Protection

Not obliged.

## Hand Protection

Wear appropriate chemical resistant gloves.

## Hygiene Measures

Keep away from food or drink. Use in accordance with good hygiene and safety practice. Wash Hands thoroughly after handling.

# Section 9. Physical and Chemical Properties

## Basic physical and chemical properties Information

**Physical State** liquid

Appearance	Clear
Odor	Faint petrol smell
Odor threshold	Not available
pH	Not applicable
Melting point	Not available
Boiling point	177-197°C / 350.6-386.6°F
Flash Point	54°C / 129.2°F
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	0.1 g/m <sup>2</sup> /hr
Flammability	liquid
Flammability limit	Not available
Vapor pressure	100 Pa
Vapor density	heavier than air
Relative density w/r/t water	5.4 times heavier than air
Relative density w/r/t air	0.78 at 15°C
Solubility	Not available
Solubility in other solvents	Very soluble in oils
Partition coefficient	Not available
Auto-ignition temperature	349°C / 660.2°F
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Lesser than -60°C / -76°F
Percent volatiles	90 %vol
Explosion limit (upper)	9.3 %vol
Explosion limit (lower)	1.2 %vol

## Section 10. Chemical Stability & Reactivity Information

### Stability/Reactivity

**Chemical stability:** This product is stable under ambient condition.

### Possibility of Hazardous Reactions

**Reactivity:** This product is mildly reactive with metals. Very reactive with oxidizing agents. Reactive with reducing agents, and organic compounds, acids and alkalis.

### Conditions to Avoid

**Keep away from:** Direct sunlight. Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

### Materials to Avoid

**Avoid contact or storage with:** Acidic materials. Alkalis. Strong acids. Strong bases. Metal surfaces. Oxidizing agents.

### Hazardous Products of Decomposition

**Decomposition will Result in Production of :** A mixture of flammable gases and vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Various hydrocarbons. Carbon anhydride.

## Section 11. Toxicological Information

### Toxicological Information for Product

**Specific target organ toxicity - repeated exposure:** This product is considered a STOT single exposure - category 3 - Narcotic effect. This product can be toxic to the blood, kidneys and liver.

### Toxicological Information for Component

#### Naphta Hydro treated

LC 50 Inhalation	>5 mg/l(4h), Rat.
LD 50 Dermal	>2000 mg/kg, Rabbit.
LD 50 Oral	> 5000 mg/kg, Rat.

#### Polydimethyl siloxane

LD 50 Dermal	= >2 gm/kg, Rabbit.
LD 50 Oral	= >24 gm/kg, Rat.

## Section 12. Ecological Information

### Ecotoxicity Values for Component

#### Naphta Hydro treated

LC 50 Fish: Not available.

#### Polydimethyl siloxane

LC 50 Fish: 3.16 mg/l(96h), Ictalurus punctatus.

## Section 13. Disposal Considerations

### Waste Disposal Regulation(s) / Operation

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Users need to pay attention to the possible existence of regional or national regulations regarding disposal. Whenever possible, reuse containers. To do this, rinse container with water and reuse water for another iteration or treat effluent as product residue as indicated in above.

## Section 14. Transportation Information

UN Number	1268.
UN Proper Shipping Name	Flammable liquid, n.o.s (Naphta).
Hazard Class	3.
Packing Group	III.



## Section 15. Regulatory Information

### Safety, Health and Environmental Regulations for Component

#### Naphta Hydro treated

**United States:**

Toxic Substances Control Act (TSCA): Listed.  
 TSCA Section 12(b) Export Notification: Not Listed.  
 CERCLA Hazardous Substance List: Not Listed.  
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention: Not Regulated.  
 Clean Air Act (CAA) Section 112 Hazardous Air Pollutant (HAPs) List: Not Regulated.  
 SARA 313 (TRI Reporting): Not listed.  
 SARA 311/312 Hazardous Chemical: Not regulated.  
 SARA 302 Extremely Hazardous Substance: Not Regulated.  
 Safe Drinking Water Act (SDWA): Not Regulated.  
 US. Massachusetts Worker and Community Right-to-Know Act (RTK): Listed.  
 US. Rhode Island Right to Know Act (RTK) : Listed.  
 US. Massachusetts Worker and Community Right-to-Know Act (RTK): Listed.  
 US. New Jersey Worker and Community Right-to-Know Act (RTK): Listed.  
 SARA 304 Emergency Release Notification: Not Listed.  
 Domestic Substances List (DSL): Listed.  
 WHIMIS Hazard Class: B3 - Combustible Liquid, D2B - Irritating to eyes and skin.  
 Canadian Ingredient Disclosure List: 1%.

**Canada:****Polydimethyl siloxane****United States:**

Toxic Substances Control Act (TSCA): Listed.  
 OSHA Specifically Regulated Substances: Not Listed.  
 SARA 313 (TRI Reporting): Not listed.  
 SARA 304 Emergency Release Notification: Not listed.  
 TSCA Section 12(b) Export Notification: Not Listed.  
 SARA 302 Extremely Hazardous Substance: Not Regulated.  
 CERCLA Hazardous Substance List: Not Listed.  
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention: Not Regulated.  
 Clean Air Act (CAA) Section 112 Hazardous Air Pollutant (HAPs) List: Not Regulated.  
 Safe Drinking Water Act (SDWA): Not Regulated.  
 US. California Proposition 65: Not Listed.  
 US. Pennsylvania Right to Know Act (RTK) : Listed.  
 US. New Jersey Worker and Community Right-to-Know Act (RTK): Listed.  
 US. Rhode Island Right to Know Act (RTK) : Listed.  
 US. Pennsylvania Right to Know Act (RTK) : Not listed.

**Canada:**

Domestic Substances List (DSL): Listed.  
 Canadian Environmental Protection Act (CEPA) Toxic Substance List: Not listed.

## Section 16. Other Information

### Other Information

**Glossary:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.