

### SECTION 1: Identification

#### 1.1. Identification

Product form	: Substance
Trade name	: Extraction Solvent
Chemical name	: Naphtha, Fischer-Tropsch, C4-11-alkane, branched and linear
CAS-No.	: 849101-58-2
Synonyms	: Naphtha (Fischer-Tropsch), C4-11-alkane, branched and linear

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture	: Food grade solvent extraction, machine cleaning
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#### 1.3. Supplier

Manufacturer  
ClearShift LLC  
5910 N Central Expressway Suite 1800  
Dallas, Texas 75206  
Tel: 214-396-9322  
Email: SDS@goclearshift.com

#### 1.4. Emergency telephone number

Emergency number	: 1-800-424-9300
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### SECTION 2: Hazard(s) identification



#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flammable liquids Category 1 Extremely flammable liquid and vapor  
Aspiration hazard Category 1 May be fatal if swallowed and enters airways

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US)	:  
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: Extremely flammable liquid and vapor May be fatal if swallowed and enters airways
Precautionary statements (GHS US)	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves, eye protection. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use Dry chemical, carbon dioxide (CO2), foam, sand, Water spray or fog to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name	Product identifier	%	GHS US classification
Naphtha, Fischer-Tropsch, C4-11-alkane, branched and linear (Main constituent)	(CAS-No.) 849101-58-2	100	Flam. Liq. 1, H224 Asp. Tox. 1, H304

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- First-aid measures after skin contact : Wash skin with plenty of water. Seek medical attention if irritation develops.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Seek medical attention if irritation develops.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. Risk of lung edema.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Extremely flammable liquid and vapor. On combustion, forms: carbon oxides (CO and CO<sub>2</sub>).
- Explosion hazard : Vapors may form explosive mixture with air. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source. Heat may cause pressure rise with explosion of tanks/drums.
- Hazardous decomposition products in case of fire : Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>). Toxic and Hazardous Substances.

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Keep away from sources of ignition. Evacuate unnecessary personnel. Take precautionary measures against static discharge. Stay upwind/keep distance from source. Avoid contact with spilled material. Will float and can be reignited on water surface.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

#### 6.1.2. For emergency responders

- Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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Emergency procedures : Eliminate all ignition sources if safe to do so. Use foam on spills to minimize vapors. Prevent entry to sewers and public waters.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Do not use sawdust or other combustible material to absorb spilled material.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Use only non-sparking tools. Take precautionary measures against static discharge. Store away from other materials. Notify authorities if product enters sewers or public waters.

Other information : Dispose in a safe manner in accordance with local/national regulations.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Flammable vapors may accumulate in the container. Vapors may travel long distances along ground before igniting/flashing back to vapor source. Vapors may form explosive mixture with air. Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Wear personal protective equipment.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Store locked up.

Incompatible materials : None known.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Naphtha, Fischer-Tropsch, C4-11-alkane, branched and linear (849101-58-2)**

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Impermeable protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

#### Eye protection:

If there is a risk of eye contact: Safety glasses with side shields

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits

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### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Clear to light yellow
Odor	: Non-characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 32 °C (89.6 °F; @756.8 mmHg; IBP)
Flash point	: < 0 °C (< 32 °F; TCC)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 68.12 kPa (9.88 psi)
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.6735 (15.56 °C; 60 °F)
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 0.439 mm <sup>2</sup> /s (40 °C; 104 °F)
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Additional information	: API Gravity: 78.6 (15.56 °C; 60 °F) Pour Point: < -60 °C (-76 °F)
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable liquid and vapor. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Vapors may form explosive mixture with air.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
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Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: 0.439 mm <sup>2</sup> /s (40 °C; 104 °F)
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. Risk of lung edema.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Flammable vapors may accumulate in the container.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1268 Petroleum distillates, n.o.s., 3, I  
UN-No.(DOT) : UN1268  
Proper Shipping Name (DOT) : Petroleum distillates, n.o.s.  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Packing group (DOT) : I - Great Danger  
Hazard labels (DOT) : 3 - Flammable liquid



Other information : No supplementary information available.

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### Transportation of Dangerous Goods

Transport document description : UN1268 PETROLEUM DISTILLATES, N.O.S., 3, I  
UN-No. (TDG) : UN1268  
Proper Shipping Name (Transportation of Dangerous Goods) : PETROLEUM DISTILLATES, N.O.S.  
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids  
Packing group : I - Great Danger

### Transport by sea

Transport document description (IMDG) : UN 1268 PETROLEUM DISTILLATES, N.O.S., 3, I  
UN-No. (IMDG) : 1268  
Proper Shipping Name (IMDG) : PETROLEUM DISTILLATES, N.O.S.  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : I - substances presenting high danger

### Air transport

Transport document description (IATA) : UN 1268 Petroleum distillates, n.o.s., 3, I  
UN-No. (IATA) : 1268  
Proper Shipping Name (IATA) : Petroleum distillates, n.o.s.  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : I - Great Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

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Revision date : 14 October 2020  
Other information : None.

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*