

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)  
Issue date: 8/14/2024 Revision date: 4/23/2025 Supersedes: 8/14/2024 Version: 1.1

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Substance  
Trade name : Naphtha  
CAS-No. : 64742-89-8

#### 1.2. Other means of identification

Other means of identification : Solvent naphtha (petroleum), light aliph.  
EC Index No. (Report) : 649-267-00-0  
EC-No. : 265-192-2

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Feedstock, Intermediates, Solvents, Cleaning agent

#### 1.4. Supplier's details

Goodway Refining LLC  
4745 Ross Rd  
Atmore, Alabama 36502-4211  
T 1-251-867-5413

#### 1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 9658  
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

### SECTION 2 Hazard Identification

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



##### GHS US classification

Flammable liquid, Category 1	H224	Extremely flammable liquid and vapor.
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects (Inhalation).
Carcinogenicity, Category 1B	H350	May cause cancer (Inhalation).
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.

Full text of H statements : see section 16

#### 2.2. Label elements

##### 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  
May cause genetic defects (Inhalation).  
May cause cancer (Inhalation).

Precautionary statements (GHS US) : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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, lighting, ventilating equipment.  
Wear protective clothing, eye and face protection.  
If swallowed: Immediately call a POISON CENTER, a doctor.  
Do NOT induce vomiting.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If exposed or concerned: Get medical advice/attention.  
In case of fire: Use Carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Name	Product identifier	%	GHS US classification
Naphtha (Main constituent)	CAS-No.: 64742-89-8	100	Flam. Liq. 1, H224 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general : Call a physician immediately. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth.

First-aid measures after inhalation : Call a physician immediately. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a physician immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Aspiration of the product into the lungs may cause very serious pneumonia.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Risk of product entering the lungs on vomiting after ingestion.
Most Important Symptoms/Effects	: Risk of product entering the lungs on vomiting after ingestion. If necessary, supply oxygen.
Chronic symptoms	: May cause genetic defects. Prolonged and frequent exposure through inhalation may cause cancer.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: IF exposed: Call a POISON CENTER or doctor/physician. Risk of product entering the lungs on vomiting after ingestion.
-----------------------------------	---

## SECTION 5: Fire-fighting measures

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

Suitable extinguishing media	: Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or waterspray.
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.
Explosion hazard	: Vapors may form explosive mixture with air. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

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

Firefighting instructions	: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

## SECTION 6 Accidental release measures

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

General measures	: Evacuate area. Do not take actions involving personal risks. Avoid all personal contact including breathing in the vapors. Wear self-contained breathing apparatus. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
------------------	---

#### For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
----------------------	---

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Emergency procedures : Evacuate the danger area. If possible without taking personal risks, remove ignition sources. If outdoors, move to an area upwind of the danger area. Prevent other non-emergency personnel from entering the danger area. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe fume, vapors.

### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. Remove all sources of ignition. Prevent runoff from entering drains, sewers or waterways.

Environmental precautions : Avoid release to the environment. Notify authorities if product enters sewers or public waters.

## 6.2. Methods and materials for containment and cleaning up

For containment : Stop leak, if possible without risk. Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spill product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Notify authorities if product enters sewers or public waters.

Other information : Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid breathing fume, mist, spray, vapors. Avoid contact with skin, eyes and clothing. 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. Flammable vapors may accumulate in the container.

Hygiene measures : Always wash hands after handling the product. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Additional hazards when processed : Proper grounding procedures to avoid static electricity should be followed.

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

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Store in a cool, dry and well-ventilated area away from incompatible substances. Protect from sunlight. Keep container tightly closed. Use explosion-proof equipment.

Incompatible materials : Strong oxidizing agents. Strong acids.

Heat-ignition : Keep away from sources of ignition - No smoking.

Packaging materials : Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### Solvent Naphtha (64742-89-8)

#### USA - ACGIH - Occupational Exposure Limits

Local name	Hexane (Commercial, <54% n-hexane)
ACGIH OEL TWA	100 ppm
Remark (ACGIH)	TLV® Basis: Peripheral neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025

### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits.
Environmental exposure controls	: Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

#### Materials for protective clothing:

Wear suitable protective clothing. Flame retardant antistatic protective clothing

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. Wear protective gloves

#### Eye protection:

Wear safety glasses which protect from splashes

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Self-contained breathing apparatus

#### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid.
Color	: No data available
Odor	: Petroleum-like odor
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Freezing point	: No data available
Boiling point	: 23.89 °C /75° F
Flash point	: -42.78 °C /-45° F
Flammability (solid, gas)	: No data available
Vapor pressure	: ≤ 240 kPa Temp.: 37,8 °C
Vapor pressure at 50°C	: 5 – 15 psi
Relative vapor density at 20°C	: No data available
Relative density	: 0.62 – 0.88 Type: 'relative density' Temp.: 15 °C
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 204.44 °C /400° F
Decomposition temperature	: No data available
Viscosity, kinematic	: < 7 mm <sup>2</sup> /s /77° F (@25° C)
Explosion limits	: Lower explosion limit: 1 vol % Upper explosion limit: 8 vol %
Particle characteristics	: No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Extremely flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Vapors may form flammable and explosive mixture with air.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Strong acids. Oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

### Solvent Naphtha (64742-89-8)

LD50 oral rat	5000 mg/kg body weight
ATE US (oral)	5000 mg/kg body weight

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects (Inhalation).
Carcinogenicity	: May cause cancer (Inhalation).
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

### Solvent Naphtha (64742-89-8)

Viscosity, kinematic	< 7 mm <sup>2</sup> /s /77° F (@25° C)
Symptoms/effects after inhalation	: Aspiration of the product into the lungs may cause very serious pneumonia.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Risk of product entering the lungs on vomiting after ingestion.
Most Important Symptoms/Effects	: Risk of product entering the lungs on vomiting after ingestion. If necessary, supply oxygen.
Chronic symptoms	: May cause genetic defects. Prolonged and frequent exposure through inhalation may cause cancer.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### 12.2. Persistence and degradability

#### Solvent Naphtha (64742-89-8)

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

## SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
---------------------------	--

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Refer to all applicable national, international and local regulations or provisions.
Additional information	: Flammable vapors may accumulate in the container. Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

### SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
UN1268	1268	1268
<b>14.2. Proper Shipping Name</b>		
Petroleum distillates, n.o.s. (Naphtha)	PETROLEUM DISTILLATES, N.O.S. (Naphtha)	Petroleum distillates, n.o.s. (Naphtha)
<b>14.3. Transport hazard class(es)</b>		
3	3	3
<b>14.4. Packing group</b>		
I	I	I
<b>14.5. Environmental hazards</b>		
	Marine pollutant: No	
No supplementary information available		

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

<b>DOT</b>	
UN-No. (DOT)	: UN1268
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 201
DOT Packaging Bulk (49 CFR 173.xxx)	: 243
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	: E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.
<b>IMDG</b>	
Limited quantities (IMDG)	: 500 ml
Excepted quantities (IMDG)	: E3
Packing instructions (IMDG)	: P001
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP1, TP8
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: E



# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Properties and observations (IMDG) : Immiscible with water.

### IATA

PCA Excepted quantities (IATA) : E3  
PCA Limited quantities (IATA) : Forbidden  
PCA limited quantity max net quantity (IATA) : Forbidden  
PCA packing instructions (IATA) : 351  
PCA max net quantity (IATA) : 1L  
CAO packing instructions (IATA) : 361  
CAO max net quantity (IATA) : 30L  
ERG code (IATA) : 3H

## SECTION 15 Regulatory information

### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Naphtha	CAS-No. 64742-89-8	100%
---------	--------------------	------

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. 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

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 4/23/2025

Issue date : 8/14/2024

Full text of hazard classes and H-statements	
H224	Extremely flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects.
H350	May cause cancer.

# Naphtha

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

<b>Indication of changes:</b>		
<b>Section</b>	<b>Changed item</b>	<b>Comments</b>
	Precautionary statements (GHS US)	<b>Modified</b>
	ATE US (oral)	<b>Added</b>
		<b>Modified</b> Updated to HazCom 2024
8	Regulatory reference	<b>Modified</b>
8	Remark (ACGIH)	<b>Modified</b>

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.