



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Natural Gas Condensate (Stabilized and Un-Stabilized)  
**Other means of identification**  
**SDS number** 12  
**Recommended use** Feedstock  
**Recommended restrictions** None known.  
**Manufacturer / Importer / Supplier / Distributor information**

**Company name** DCP Midstream  
**Address** 370 17 Street Suite 2500 Denver, CO 80202  
**Telephone** (303) 595-3331  
**E-mail** safety@dcpmidstream.com  
**Contact person** Mark Prewitt  
**Emergency phone number** CHEMTREC - 24 HOURS: 800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 1  
**Health hazards** Skin corrosion/irritation Category 2  
Germ cell mutagenicity Category 1B  
Carcinogenicity Category 1A  
Reproductive toxicity (fertility) Category 2  
Specific target organ toxicity, single Category 3 narcotic  
Specific target organ toxicity, repeated Category 2  
Aspiration hazard Category 1

**OSHA hazard(s)** Not Classified

### Label elements

#### Hazard symbol



**Signal word** Danger

**Hazard statement** Extremely flammable liquid and vapor. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. Causes skin irritation. Toxic to aquatic life with long lasting effects. May cause genetic defects. May be fatal if swallowed and enters airways. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

#### Precautionary statement

**Prevention** Use only outdoors or in a well-ventilated area. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. - 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/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Response** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If swallowed: Immediately call a poison center/doctor/. Do not induce vomiting. Call a poison center/doctor if you feel unwell.

**Storage** Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

**Disposal** Dispose of contents/container in accordance with local and national regulations.

**Hazard(s) not otherwise classified (HNOC)** Not classified.

### 3. Composition/information on ingredients

#### Mixture

#### Hazardous components

Chemical name	Common name and synonyms	CAS number	%
Natural gas condensate (Petroleum)		64741-47-5	100
n-Hexane		110-54-3	11-26
Toluene		108-88-3	0-6
Benzene		71-43-2	1-2

#### Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

#### Inhalation

Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

#### Skin contact

Immediately remove contaminated clothing. Wash with soap and water. Continue to rinse for at least 15 minutes. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

#### Eye contact

Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

#### Ingestion

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Seek immediate medical attention or advice.

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

Not available

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

Treat symptomatically. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

#### General information

Get medical attention if any discomfort develops. Refer to the Emergency Response Procedures for Ships Carrying Dangerous Goods (EmS Guide) and the Medical First Aid Guide for Use in Accidents Involving Dangerous Goods (MFAG) as necessary.

### 5. Fire-fighting measures



#### NFPA 704 Hazard Class

Health: 1

Flammability: 4

Instability: 0

(0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)

#### Suitable extinguishing media

Water spray, foam, dry powder or carbon dioxide.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### Specific hazards arising from the chemical

Not applicable.

**Special protective equipment and precautions for firefighters**

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions**

Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

## 6. Accidental release measures

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

Stay upwind. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid inhalation of vapors and spray mist and contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Remove sources of ignition. Beware of the explosion danger. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Small Spills: Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container.

Large Spills: Remove with vacuum trucks or pump to storage/salvage vessels. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with soap and water.

**Environmental precautions**

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment.

## 7. Handling and storage

**Precautions for safe handling**

Provide adequate ventilation. Avoid inhalation of vapors/mist and contact with skin and eyes. The product is extremely flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. Ground container and transfer equipment to eliminate static electric sparks. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Use non-sparking hand tools and explosion-proof electrical equipment. Wear appropriate personal protective equipment. Immediately change contaminated clothes. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices. Use only bottom loading of tankers, in compliance with European legislation. Do not use compressed air for filling, discharging, or handling operations. Empty containers may contain flammable product residues.

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

Store in a well-ventilated place. Follow rules for flammable liquids. Keep away from heat, spark, open flames and other sources of ignition. Store in a cool, dry place. Store in tightly closed original container. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	5 ppm
	TWA	1 ppm

**U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
n-Hexane (CAS 110-54-3)	PEL	1800 mg/m <sup>3</sup>
		500 ppm

**U.S. OSHA Table Z-2 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Benzene (CAS 71-43-2)	Ceiling	25 ppm
	TWA	10 ppm
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

**U.S. ACGIH Threshold Limit Values**

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
n-Hexane (CAS 110-54-3)	TWA	50 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Benzene (CAS 71-43-2)	REL	0.1 ppm
	STEL	1 ppm
n-Hexane (CAS 110-54-3)	REL	180 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	REL	375 mg/m3
		100 ppm
	STEL	560 mg/m3
		150 ppm

**Biological Limit Values**

**US. ACGIH. BEIs. Biological Exposure Indices**

Components	Value	Determinant
Benzene (CAS 71-43-2)	25 µg/g	S-Phenylmercapturic acid
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedion, Without hydrolysis
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis

\* - For sampling details, please see the source document.

**Exposure guidelines**

**US. ACGIH Threshold Limit Values**

**Benzene (CAS 71-43-2)** Can be absorbed through the skin.  
**n-Hexane (CAS 110-54-3)** Can be absorbed through the skin.

**US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants**

**BENZENE (CAS 71-43-2)** Can be absorbed through the skin.  
**N-HEXANE (CAS 110-54-3)** Can be absorbed through the skin.  
**TOLUENE; TOLUOL (CAS 108-88-3)** Can be absorbed through the skin.

**US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).**

**Toluene (CAS 108-88-3)** Skin designation applies.

**US. Rhode Island Hazardous Substances Right-to-Know Act (R.I. Gen. Laws Section 28-21-1 et. seq.)**

**Benzene (CAS 71-43-2)** Can be absorbed through the skin.  
**Toluene (CAS 108-88-3)** Can be absorbed through the skin.

## Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Wear goggles/face shield.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.
<b>Other</b>	Protection suit must be worn.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	When using, do not eat, drink or smoke. Wash hands after handling. Launder contaminated clothing before reuse. Private clothes and working clothes should be kept separately. Observe any medical surveillance requirements. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

<b>Appearance</b>	Yellowish liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid
<b>Color</b>	Yellowish.
<b>Odor</b>	Gasoline.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	-20 to 800 °F / -29 to 427 °C
<b>Flash point</b>	-184 °F (-120 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	1.05 %
<b>Flammability limit – upper (%)</b>	7.8 %
<b>Vapor pressure</b>	~8.80 to 114.50 psia @ 100 °F
<b>Vapor density</b>	Not available.
<b>Relative density</b>	0.5 -0.7 (Water=1)
<b>Relative density temperature</b>	68 °F (20 °C)
<b>Solubility(ies)</b>	Slightly soluble in water.

<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	500 °F (260 °C)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Possibility of hazardous Reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks, elevated temperatures. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents.
<b>Hazardous decomposition Products</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b>Inhalation</b>	May cause drowsiness or dizziness.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	May cause eye irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Headaches, dizziness, fatigue, nausea and vomiting. Prolonged skin contact may cause redness, irritation and dry skin.

### Information on toxicological effects

<b>Acute toxicity</b>	Breathing of high concentrations may cause dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness.
<b>Skin corrosion/irritation</b>	Causes skin irritation. Pre-existing skin conditions including dermatitis might be aggravated by exposure to this product.
<b>Serious eye damage/eye Irritation</b>	May cause eye irritation on direct contact.
<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	Not a skin sensitizer.
<b>Germ cell mutagenicity</b>	May cause genetic defects.
<b>Carcinogenicity</b>	No data available.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene (CAS 71-43-2)	1 Carcinogenic to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.

### NTP Report on Carcinogens

Benzene (CAS 71-43-2)	Known To Be Human Carcinogen.
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## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2)	Cancer hazard.
<b>Reproductive toxicity</b>	May cause adverse reproductive effects - such as birth defects, miscarriages, or infertility.
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness.
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to the following organs through prolonged or repeated exposure: Liver Kidneys.
<b>Aspiration hazard</b>	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
<b>Chronic effects</b>	Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/chapping and oil acne. May cause central nervous system depression. May cause damage to the liver and kidneys.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic organisms, may cause long term adverse effects to the environment.

Components	Species	Test Results
Toluene (CAS 108-88-3)		
<b>Aquatic</b>		
EC50	Water Flea (Daphnia Magna)	5.46 - 9.83 mg/l, 48 hours
LC50	Coho Salmon, Silver Salmon (Oncorhynchus kisutch)	5.5 mg/l, 96 hours

**Persistence and degradability** The degradability of the product has not been stated. The product meets the definition of the International Oil Pollution Compensation (IOPC) Fund as being a "non-persistent" oil. Bioaccumulative potential.

### Partition coefficient n-octanol / water (log Kow)

Benzene	2.13
Toluene	2.73
n-Hexane	3.9

**Mobility in soil** Not available.  
**Other adverse effects** Not established.

## 13. Disposal considerations

**Disposal instructions** Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** D001: Waste Flammable material with a flash point <140 °F

**Waste from residues / unused Products** Dispose of in accordance with local regulations

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

DOT

<b>UN number</b>	UN3295
<b>UN proper shipping name</b>	Hydrocarbons, liquid, n.o.s. (Natural gas condensates)
<b>Transport hazard class</b>	3
<b>Packing group</b>	I
<b>Special precautions for user</b>	Not available.
<b>Labels required</b>	3
<b>Special provisions</b>	144, T11, TP1, TP8, TP28
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	241

<b>IATA</b>	<b>Packaging bulk</b>	243
	<b>UN number</b>	UN3295
	<b>UN proper shipping name</b>	Hydrocarbons, liquid, n.o.s. (Natural gas condensates)
	<b>Transport hazard class</b>	3
	<b>Packaging group</b>	I
	<b>Labels required</b>	3
	<b>ERG Code</b>	3H
	<b>Special precautions for user</b>	Not available.

<b>IMDG</b>	<b>UN number</b>	UN3295
	<b>UN proper shipping name</b>	Hydrocarbons, liquid, n.o.s. (Natural gas condensates)
	<b>Transport hazard class</b>	3
	<b>Packaging group</b>	I
	<b>Labels required</b>	3
	<b>Ems</b>	F-E, S-D
	<b>Special precautions for user</b>	Not available.
	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Benzene (CAS 71-43-2) 29 CFR 1910.1028

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Benzene (CAS 71-43-2)	LISTED
n-Hexane (CAS 110-54-3)	LISTED
Toluene (CAS 108-88-3)	LISTED

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - Yes  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous Chemical** Yes

### **Other federal regulations**

#### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Benzene (CAS 71-43-2)  
n-Hexane (CAS 110-54-3)  
Toluene (CAS 108-88-3)

#### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not listed.

#### **Safe Drinking Water Act (SDWA)**

Not regulated.

#### **Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Toluene (CAS 108-88-3) 6594

#### **Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Toluene (CAS 108-88-3) 35 %WV

#### **DEA Exempt Chemical Mixtures Code Number**

Toluene (CAS 108-88-3) 594



**Food and Drug Administration (FDA)**

Not regulated.

**US state regulations**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**

Benzene (CAS 71-43-2)  
n-Hexane (CAS 110-54-3)  
Toluene (CAS 108-88-3)

**US. New Jersey Worker and Community Right-to-Know Act**

Benzene (CAS 71-43-2) 500 LBS  
n-Hexane (CAS 110-54-3) 500 LBS  
Toluene (CAS 108-88-3) 500 LBS

**US. Pennsylvania RTK - Hazardous Substances**

Benzene (CAS 71-43-2)  
n-Hexane (CAS 110-54-3)  
Toluene (CAS 108-88-3)

**US. Rhode Island RTK**

Benzene (CAS 71-43-2)  
n-Hexane (CAS 110-54-3)  
Toluene (CAS 108-88-3)

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Benzene (CAS 71-43-2)  
Toluene (CAS 108-88-3)

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

## 16. Other information, including date of preparation or last version

**Issue date** 11-28-2012

**Revision date** – 6-8-2016

**Version #** 01

**Further information** Not available.

**References** ACGIH

EPA: Acquire database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents

**Disclaimer** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.