

	<b>MSDS</b> <b>MATERIAL SAFETY DATA SHEET</b>	<b>NATURAL GAS (SWEET)</b> MSDS # 102  Effective May 11, 2010																
<b>Manufacturer/Supplier:</b> Hunt Oil Company 1900 North Akard Street Dallas, Texas 75201-2300 214-978-8000	<b>Emergency Health Information:</b>  <b>CHEMTREC</b> (for transport emergencies):	(713) 420-2600  800-424-9300 (USA)  202-483-7616 (Outside the USA)																
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<b>Warning Statement:</b>	Flammable; high vapor concentrations can cause headaches, dizziness, drowsiness and nausea.  <b>NFPA Codes: (Health;2) (Flammability;4) (Reactivity;0), Chronic Hazard</b>																	
<b>Appearance and odor:</b>	Colorless gas.																	
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## FIRE AND EXPLOSION INFORMATION

Flashpoint:	-188°C, (-306°F)
Extinguishing Media:	Agents approved for Class B hazards, e.g., dry chemical, carbon dioxide, foam, steam or water fog.
Unusual Fire and Explosion Hazards:	Extremely flammable vapor/air mixtures form. Extinguishment of fire before source of vapor is shut off can create an explosive mixture in air.
Precautions:	Keep away from ignition sources (e.g., heat, sparks and open flames).
Extinguishing Media:	Stop flow of gas, if possible, if not, allow to burn. Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog.
Auto-ignition Temperature:	540°C (1000°F) (approximate)
Flammability Classification:	Compressed gas. Extremely flammable.
Flammable Limits:	Upper; 15% for Methane, Lower; 5% for Methane.
Fire-fighting Equipment:	Firefighters should wear full bunker gear, including a positive pressure SCBA (self-contained breathing apparatus).

## ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

## REACTIVITY INFORMATION

Stability:	Burning can be started easily.
Conditions to Avoid:	Keep away from ignition sources (e.g., heat, sparks and open flames).
Materials to Avoid:	Avoid chlorine, fluorine and other strong oxidizers.
Hazardous Decomposition:	None identified.
Hazardous Polymerization:	Will not occur.

## CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure:	300 – 600 psig (in pipeline)
Vapor Density:	0.55 – 0.6
Solubility in Water:	Negligible, below 0.1%
Specific Gravity (Water = 1):	Not determined.
pH:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined.

## RELEASE MEASURES

Remove or shut off all sources of ignition. Use appropriate protective equipment. Increase ventilation if possible. Wear respirator and spray with water to disperse vapors.

## STORAGE AND ENVIRONMENTAL PROTECTION

Handling:	Do not cut, puncture, or weld on or near this container. Ground and bond all lines and equipment.
Storage Requirements:	Outside storage is recommended. Store in cool, dry, well ventilated area. Store away from heat, ignition sources, and open flame in accordance with applicable regulations.
Spills and Leaks:	Remove or shut off all sources of ignition. Use water spray to disperse vapors.
Disposal:	Vent vapor at a safe location. Ensure dissipation of gas below the lower explosive limit. Consult local ordinances for compliance.
Special Precautions:	Avoid strong oxidizers.

## TOXICOLOGICAL INFORMATION

This material is an asphyxiant. Asphyxiants may reduce the oxygen concentrations in the air to dangerous levels. Symptoms of lack of oxygen include increased depth and frequency of breathing, air hunger, dizziness, headache, nausea and loss of consciousness.

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the ACGIH or International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP).

## TRANSPORTATION INFORMATION

Proper Shipping Name:	Methane, Compressed
Subsidiary Class:	2.1
UN Number:	UN1971
DOT Shipping Label	FLAMMABLE GAS (red)

## REGULATORY INFORMATION

U.S. Federal, State, and Local Regulatory Information	Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other regulations at the state and/or local level. Consult those regulations applicable to your facility/operation.
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Clean Water Act (oil spills)	Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.
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CERCLA Section 103 and SARA section 304 (release to the environment)	The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil, refined, and unrefined petroleum products and any indigenous components of such. However, other federal reporting requirements (e.g., SARA Section 304 as well as the Clean Water Act if the spill occurs on navigable waters) may still apply.
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## NOTICE

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our Company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.