

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	:	METHANE FRACTION H 90
Synonyms	:	Fuel Gas
Substance name	:	Fuel Gas
Substance No.	:	270-667-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	:	Manufacture; Distribution of substance; Formulation; Use as a blowing agent; Use as a fuel; Functional Fluids; Polymer production; Polymer processing
-----------------	---	---

1.3 Details of the supplier of the safety data sheet

Company	Registration number	Telephone
MUO Polyolefine GmbH Berghauser Weg 50 85126 Münchsmünster Germany	01-2119489781-24- 0026	+49 (0)8402 76329

E-mail address	:	RegulatoryComplianceROP@velogy.com
Responsible/issuing person		

1.4 Emergency telephone number

MUO Polyolefine GmbH	+49 (0) 8402 76112
----------------------	--------------------

Poison Center:
Giftnotruf der Charité
DE: +49 30 19240
24 hours all days

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable gases, Category 1	H220: Extremely flammable gas.
Gases under pressure, Compressed gas	H280: Contains gas under pressure; may explode if heated.
Germ cell mutagenicity, Category 1B	H340: May cause genetic defects.
Carcinogenicity, Category 1A	H350: May cause cancer.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.
H340 May cause genetic defects.
H350 May cause cancer.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling

Restricted to professional users.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

May cause frostbite.
May displace oxygen and cause rapid suffocation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : Fuel Gas
EC-No. : 270-667-2

Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)	M-Factor, SCL, ATE
Fuel Gases	68476-26-6 270-667-2	>= 90 - <= 100	

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Simple asphyxiant, high concentrations can displace oxygen and cause drowsiness and dizziness.
Possible cardiac sensitization.
Contains carbon monoxide - an inhalation hazard.
Inhaled carbon monoxide binds with blood hemoglobin to form carboxyhemoglobin. Carboxyhemoglobin reduces the blood's ability to transport oxygen. May cause flu-like symptoms.
Depending on levels and duration of exposure, effects may include headache, nausea, dizziness, weakness, mental confusion, vomiting, convulsions, loss of consciousness, and death.

Remove contaminated clothes except in the case of frostbite.
One or more components of this mixture may cause central nervous system effects (fatigue, dizziness, headache, collapse, coma and death) and, possibly cardiac sensitization.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.
May damage the unborn child.
Always observe self-protection methods
Wear appropriate personal protective equipment, avoid direct contact.
Move out of dangerous area.
Get medical attention immediately.
Show this material safety data sheet to the doctor in attendance.

If inhaled : Remove victim to fresh air and keep at rest in a position com-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version 1.0	Revision Date: 09/10/2026	SDS Number: BEN32	Date of last issue: - Date of first issue: 09/10/2026
----------------	------------------------------	----------------------	--

fortable for breathing.
Do not leave the victim unattended.
Keep patient warm and at rest.
Immediately seek medical attention.
If breathing is difficult, give oxygen.
If unconscious, place in recovery position and seek medical advice.
In the event of unconsciousness, apnea or cardiac arrest (no pulse), apply cardiopulmonary resuscitation.

- In case of skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.
If frostbite has occurred, seek medical attention immediately; do not rub the affected area or flush with water. To prevent further damage, do not attempt to remove frozen clothing from affected area. If frostbite has not occurred, immediately and thoroughly wash contaminated skin with soap and water.
If frostbite has not occurred, immediately flush affected area with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
- In case of eye contact : This gas is non-irritating; but direct contact with liquified/pressurized gas or frost particles may produce severe and possibly permanent eye damage from freeze burns.
If eye tissue is frozen, seek medical attention immediately. If tissue is not frozen, thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists seek medical attention.
If tissue is not frozen, thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes. Get medical attention immediately if irritation persists.
- If swallowed : This substance is a gas with a low boiling point; hence, oral exposure and resulting acute toxicity are unlikely.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : High vapor concentrations may cause central nervous system (CNS) depression with symptoms such as nausea, dizziness, weakness, headache, loss of coordination, loss of consciousness, coma and death.
Look for evidence of frostbite.
- Risks : May cause genetic defects.
May cause cancer.
Simple Asphyxiant.
Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias (irregular beating) in persons exposed to this material.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

Skin or eye contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.
Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
Treat frost-bitten areas as needed.
Provide 100% humidified supplemental oxygen with assisted ventilation if needed.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : SMALL FIRE:
Dry chemical.
CO2.
Sand.

LARGE FIRES:
Use water spray or fog

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : DO NOT extinguish a leaking gas fire unless leak can be stopped.
Vapors may travel long distances along the ground before reaching a source of ignition and flashing back.
When exposed to ignition source in air, vapors can burn in open or explode if confined.
Contents under pressure and can explode when exposed to heat or flames.
When exposed to open flames or high heat, it can burn and explode.
Sustained fire attack on vessels may result in a Boiling Liquid Expanding Vapour Explosion (BLEVE).
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
Cool containers with flooding quantities of water until well after fire is out.
Do not direct water at source of leak or safety devices; icing may occur.
Potential explosion hazard from reignition, if fire is put out without shutting off source.
Always stay away from tanks engulfed in fire.
Move containers from fire area if it can be done without risk.
Fire residues and contaminated fire extinguishing water must

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version 1.0	Revision Date: 09/10/2026	SDS Number: BEN32	Date of last issue: - Date of first issue: 09/10/2026
----------------	------------------------------	----------------------	--

be disposed of in accordance with local regulations.
Thermal decomposition may produce carbon monoxide and
other toxic vapors.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighter's protective clothing will only provide limited protection. Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
Eliminate all ignition sources if safe to do so.
Evacuate personnel to safe areas.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Enter area only if strictly necessary. A combustible gas detector can be used to check for flammable gas or vapors.

6.2 Environmental precautions

Environmental precautions : Prevent entry into waterways, sewers, basements or confined areas.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
Maritime spillages should be dealt with according to a Ship-board Oil Pollution Emergency Plan (SOPEP), as required by MARPOL Annex1 Regulation 26.
An authoritative evaluation of environmental exposure and risk indicates that no special risk management practices are needed to control environmental release.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Eliminate all sources of ignition.
Let evaporate.
Isolate area until gas has dispersed.
All equipment used when handling this product must be grounded.
Do not touch or walk through spilled material.
Stop leak if you can do it without risk.
If possible, turn leaking container so that gas escapes rather than liquid.
Suppress (knock down) gases/vapors/mists with a water spray jet.
Water spray may reduce vapor; but may not prevent ignition in closed spaces.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version 1.0	Revision Date: 09/10/2026	SDS Number: BEN32	Date of last issue: - Date of first issue: 09/10/2026
----------------	------------------------------	----------------------	--

Prevent entry into waterways, sewers, basements or confined areas.

Spillages of liquid product in the water will likely result in a quick and complete vaporization of the product. Isolate the area and prevent fire/explosion hazard for ships and other structures, taking into account wind direction and speed, until the product is completely dispersed.

Note: recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. For this reason, local experts should be consulted when necessary. Local regulations may also prescribe or limit actions to be taken.

In those cases when the presence of dangerous amounts of H₂S in the leaked/spilled product is suspected or proved, additional or special actions may be warranted, including access restrictions, use of special protection equipment, procedures and personnel training.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Sudden release of this material from pressurized vessels may result in cryogenic burns (frostbite).
While moving cylinder, always keep in place removable valve cover.
Securely chain cylinders when in use and protect against physical damage.
If inspection shows cylinders in poor condition, immediately contact supplier.
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Keep container tightly closed when not in use.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
Use only non-sparking tools.
Bond and ground all equipment before transferring this material from one container to another.
The vapor is heavier than air. Beware of accumulation in pits and confined spaces.
Use only in well ventilated areas.
Wear recommended personal protective equipment.
Contact with liquid and with containers and delivery lines from which LPG has just been drawn, should be avoided to prevent cold burns.
Keep away from direct sunlight.
Empty containers may contain flammable product residues.
Do not weld, solder, drill, cut or perform similar operations on

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

or near containers.

Ensure that all relevant regulations regarding explosive atmosphere, and handling and storage facilities of flammable products are followed.

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Protect against physical damage. Isolate from oxidizing gases especially chlorine. Store in cool, well ventilated, place away from all possible sources of ignition and combustible materials. Protect against lightning and static electricity. Store cylinders outdoors without direct sunlight or heat radiation and with adequate ventilation. Provide electrical equipment with spark resistant construction. Securely chain cylinders when in use and protect against physical damage. Ensure that all relevant regulations regarding explosive atmosphere, and handling and storage facilities of flammable products are followed. Empty containers may contain flammable product residues. Do not weld, solder, drill, cut or perform similar operations on or near containers.

Storage class (TRGS 510) : 2A

7.3 Specific end use(s)

Specific use(s) : (Refer to exposure scenario section for specific information).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

8.2 Exposure controls

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection : Use chemical type goggles and face shield when handling liquefied gases.
The selected goggles or glasses must satisfy the European norm standard EN 166.

Hand protection

Remarks : Wear insulated gloves if contact with liquid is possible. The selected gloves must satisfy the European norm standard EN 511 for protection against the cold.

Skin and body protection : Fire retardant clothing is appropriate for routine occupational use.
Clothing such as insulated impervious gloves to protect against exposure to cold liquid or gas should be worn.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Use PPE that is chemical resistant to the product and prevents skin contact.

Respiratory protection : If exposure can potentially exceed the exposure limit(s), respiratory protection recommended or approved by appropriate local, state or international agency must be used.
Use only approved air-purifying respirator or supplied air respirator operated in a positive pressure mode.
If needed, wear a supplied air respirator conforming to a European norm standard such as EN 139 or equivalent.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : gaseous

Form : Compressed gas

Colour : colorless

Odour : odorless

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version 1.0	Revision Date: 09/10/2026	SDS Number: BEN32	Date of last issue: - Date of first issue: 09/10/2026
----------------	------------------------------	----------------------	--

Odour Threshold	:	not determined
Melting point/range	:	-273 - -244 °C
Boiling point/boiling range	:	-269 - -239 °C
Upper explosion limit / Upper flammability limit	:	15 vol%
Lower explosion limit / Lower flammability limit	:	4 vol%
Flash point	:	-104 - -60 °C
Decomposition temperature	:	Thermal decomposition may produce oxides of carbon and other toxic gases and liberate heat and pressure.
pH	:	Not applicable
Viscosity		
Viscosity, dynamic	:	Not applicable (gas).
Viscosity, kinematic	:	Not applicable (gas).
Solubility(ies)		
Water solubility	:	1.6 - 26 mg/l
Partition coefficient: n-octanol/water	:	Not applicable.
Vapour pressure	:	study technically not feasible
Density	:	0.129 - 0.157 kg/m ³ (0 °C, 1,013 mbar)
Relative vapour density	:	

9.2 Other information

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

Explosives : no data available

Oxidizing properties : not determined

Self-ignition : 560 - 595 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapors may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, sparks, open flame, other ignition sources, and oxidizing conditions.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents.
Halogenated hydrocarbons.
Nitrogen Dioxide.
Fluoride compounds.
Halogens (bromine, chlorine, fluorine).
Metal catalysts.

10.6 Hazardous decomposition products

Not expected to decompose under normal conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhala-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version 1.0	Revision Date: 09/10/2026	SDS Number: BEN32	Date of last issue: - Date of first issue: 09/10/2026
----------------	------------------------------	----------------------	--

tion toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

Assessment : No skin irritation

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

Assessment : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

Assessment : Did not cause sensitization on laboratory animals.

Germ cell mutagenicity

May cause genetic defects.

Components:

Fuel Gases:

Germ cell mutagenicity- Assessment : Did not show mutagenic effects in animal experiments.

Carcinogenicity

May cause cancer.

Components:

Fuel Gases:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

Reproductive toxicity

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

STOT - single exposure

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

Based on available data, the classification criteria are not met.

Components:

Fuel Gases:

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Based on available data, the classification criteria are not met.

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal.
Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes.
Contaminated product, soil or water should be considered dangerous due to potential evolution of flammable vapor.
Proper grounding procedures to avoid static electricity should be followed.
The product should not be allowed to enter drains, water courses or the soil.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	UN 1049
ADR	:	UN 1049
RID	:	UN 1049
IMDG	:	UN 1049

14.2 UN proper shipping name

ADN	:	HYDROGEN, COMPRESSED
ADR	:	HYDROGEN, COMPRESSED
RID	:	HYDROGEN, COMPRESSED
IMDG	:	HYDROGEN, COMPRESSED

14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 2	2.1
ADR	: 2	2.1
RID	: 2	2.1, 13
IMDG	: 2.1	

14.4 Packing group

ADN	
Packing group	: Not assigned by regulation
Classification Code	: 1F
Labels	: 2.1

ADR	
Packing group	: Not assigned by regulation
Classification Code	: 1F
Hazard Identification Number	: 23
Labels	: 2.1
Tunnel restriction code	: B/D

RID	
Packing group	: Not assigned by regulation
Classification Code	: 1F
Hazard Identification Number	: 23
Labels	: 2.1 (13)

IMDG	
Packing group	: Not assigned by regulation
Labels	: 2.1
EmS Code	: F-D, S-U

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 28: Fuel Gases

Number on list 29: Fuel Gases

Number on list 30: Carbon Monoxide

Number on list 40

Number on list 75
If you intend to use this product as tattoo ink, please contact your vendor.

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Water hazard class (Germany) : WGK 1 slightly hazardous to water
Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.7.1.1: Carcinogenic substance:
Class 1: 100 % Fuel Gases

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version 1.0	Revision Date: 09/10/2026	SDS Number: BEN32	Date of last issue: - Date of first issue: 09/10/2026
----------------	------------------------------	----------------------	--

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Not applicable

Other regulations:

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: Not in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
REACH	: If the product has been purchased from Rotterdam Olefins & Polyolefins B.V., we confirm that the chemical substances in this product have been registered under REACH, in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006).
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory
CH BAGREG	: On the inventory, or in compliance with the inventory
MXINSQ	: Not in compliance with the inventory
NCI	: Not in compliance with the inventory
UKREACH	: If the product has been purchased from Rotterdam Olefins & Polyolefins B.V., we confirm that the chemical substances in

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

this product have been notified with a DUIN or, where required under UK-REACH, registered, and that we have the intention to proceed with any required registration in accordance with the deadlines set forth in the regulation REACH etc. (Amendment etc.) (EU Exit) Regulations 2019.

KKDIK : If the product has been purchased from Rotterdam Olefins & Polyolefins B.V., we confirm that the chemical substances in this product have been pre-registered or, where required under KKDIK, registered, and that we have the intention to proceed with any required registration in accordance with the deadlines set forth in the regulation. For more information, please contact RegulatoryComplianceROP@velogy.com

15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Full text of H-Statements

Full text of other abbreviations

Carc.	: Carcinogenicity
Flam. Gas	: Flammable gases
Muta.	: Germ cell mutagenicity
Press. Gas	: Gases under pressure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



METHANE FRACTION H 90

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	09/10/2026	BEN32	Date of first issue: 09/10/2026

stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN