

according to UK REACH Regulation

Glumex

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

1.1. Product identifier

Glumex

Substance name: hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

REACH Registration Number: 01-2119472146-39-0000

CAS No: 90622-57-4 EC No: 918-167-1

UFI:

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

Use of the substance/mixture

adhesives release agents

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: MOLL bauökologische Produkte GmbH

proclima

Street: Rheintalstraße 35 - 43
Place: D-68723 Schwetzingen
Telephone: +49 (0) 6202 2782-0

elephone: +49 (0) 6202 2782-0 Telefax: +49 (0) 6202 2782-21

e-mail: info@proclima.de
e-mail (Contact person): info@proclima.de
Internet: http://www.proclima.de
Responsible Department: info@proclima.de

1.4. Emergency telephone Germany Giftnotruf Göttingen, +49 0551 - 19240, 24hour(s), 365 day(s)/1 year

number: Emergency medical information in case of poisoning: Poison Information Centre

+49 551 19240 (24-hour advice in German or English)

Further Information

for professional use only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Chronic 4; H413

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Signal word: Danger

Pictograms:







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Hazard statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water or shower.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use Dry sand, Extinguishing powder, alcohol resistant foam to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

INCI C9-12-ISOALKANES

Hazardous components

CAS No	Chemical name			Quantity
	EC No Index No REACH No			
	Classification (GB CLP Regulation)	Classification (GB CLP Regulation)		
90622-57-4	hydrocarbons, C11-C12, isoalkane	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics		
	918-167-1 01-2119472146-39-0000			
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No Chemical name		Quantity
	Specific Conc. Limits, M-factors and ATE		
90622-57-4	918-167-1	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	100 %
	inhalation: LC50 = >4951 mg/l (vapours); inhalation: LC50 = >5600 mg/l (dusts or mists); dermal: LD50 = > 2200 - 2500 mg/kg; oral: LD50 = > 5000 mg/kg		

Further Information

No data available

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Wear personal protection equipment (refer to section 8).



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Take off immediately all contaminated clothing and wash it before reuse.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove affected person from the danger area and lay down. Provide fresh air. Where appropriate artificial ventilation. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Call a doctor.

If breathing is irregular or stopped, administer artificial respiration. If unconscious but breathing normally, place in recovery position and seek medical advice.

After contact with skin

Take off immediately all contaminated clothing.

Wash contaminated clothing prior to re-use.

Wash with plenty of water/soap.

In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Aspiration hazard

Call a physician immediately.

Never give anything by mouth to an unconscious person or a person with cramps.

4.2. Most important symptoms and effects, both acute and delayed

Aspiration hazard - Pneumonia

4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2); Dry extinguishing powder; Water spray jet; alcohol resistant foam

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide, Carbon monoxide

Ignition hazard: Density Glumex: 0,756 g/cm3 < Density Water

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Special protective equipment for firefighters Protective clothing. Full protection suit

Heating causes rise in pressure with risk of bursting.

In case of fire: Wear self-contained breathing apparatus.

Use water spray jet to protect personnel and to cool endangered containers.

Additional information

Do not allow run-off from fire-fighting to enter drains or water courses. Do not allow to enter into soil/subsoil.

Residues of fire and contaminated water have to be disposed according to the local regulations.

SECTION 6: Accidental release measures



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6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear personal protection equipment (refer to section 8).

See protective measures under point 7 and 8.

Remove persons to safety.

Keep away from sources of ignition - No smoking.

Use only antistatically equipped (spark-free) tools.

Take action to prevent static discharges.

Do not breathe vapour/aerosol.

For non-emergency personnel

Stop leak if safe to do so.

Keep away from unprotected people.

staff trained for emergencies

For emergency responders

No further relevant information available.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Large quantities of leaked material: Stop leak if safe to do so.

Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

For containment

Remove all sources of ignition.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Use only noncombustible absorbents.

Use foam on spills to minimise vapours.

Disposal: see section 13, Dispose of waste according to applicable legislation.

For cleaning up

Clean with detergents. Avoid solvent cleaners.

Other information

Provide fresh air.

6.4. Reference to other sections

See protective measures under point 7 and 8. Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8).

Do not breathe gas/fumes/vapour/spray.

Room air monitoring

Keep away from sources of ignition - No smoking.

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Avoid contact with skin, eyes and clothes.

Clear spills immediately. Avoid release to the environment.

Advice on protection against fire and explosion

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Take precautionary measures against static discharges.

Vapours can form explosive mixtures with air.

Ground and bond container and receiving equipment.



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Use explosion-proof [electrical/ventilating/lighting/] equipment.

Use only antistatically equipped (spark-free) tools.

Advice on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500

Only wear fitting, comfortable and clean protective clothing.

Avoid contact with skin, eyes and clothes.

Wash hands and face before breaks and after work and take a shower if necessary.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink, smoke, sniff.

Do not put any product-impregnated cleaning rags into your trouser pockets.

Further information on handling

Observe instructions for use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep locked up and out of reach of children.

Keep container tightly closed in a cool, well-ventilated place.

Store in a dry place. Keep/Store only in original container.

Handle and open container with care. Ground and bond container and receiving equipment.

Protect from sunlight.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs. Keep away from: Oxidising agent, strong; Strong acid; Base

Further information on storage conditions

Keep away from: Frost, Heat, Humidity

7.3. Specific end use(s)

Information contact: Supplier

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
	(OLD) Oil mist, mineral (excluding metalworking fluids)	-	5		TWA (8 h)	OES
		-	10		STEL (15 min)	OES

Additional advice on limit values

Germany TRGS 900 (RCP-Method)

hydrocarbons, C11-C12, isoalkanes, < 2% aromatics: 300 mg/m³ peak limitation 2(II)

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Use explosion-proof [electrical/ventilating/lighting/] equipment.

Reference to other sections: 7

Individual protection measures, such as personal protective equipment



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Eye/face protection

goggles (Material, solvent-resistant) Eye glasses with side protection EN 166

Hand protection

Suitable gloves type EN ISO 374

Suitable material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), PE (polyethylene), PVA (Polyvinyl alcohol)

In case of prolonged or frequently repeated skin contact:

Thickness of the glove material >0,35 mm (NBR (Nitrile rubber))

Breakthrough time: >120 min

Wearing time with occasional contact (splashes):

Thickness of the glove material >0,35 mm (NBR (Nitrile rubber))

Breakthrough time: >10 min

Breakthrough times and swelling properties of the material must be taken into consideration.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Check leak tightness/impermeability prior to use.

Skin protection

The choice of personal protective equipment depends on the potential exposure conditions, e.g. Procedure, handling, concentration and ventilation.

Wear anti-static footwear and clothing

Respiratory protection

exceeding exposure limit values: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Suitable respiratory protection apparatus: Type A

Thermal hazards

No data available

Environmental exposure controls

Provide for retaining containers, e.g. floor pan without outflow. provide inert absorbent.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: colourless
Odour: odourless

Test method

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Changes in the physical state

Melting point/freezing point:

No data available

Boiling point or initial boiling point and

~179 - 191 °C

boiling range:



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Sublimation point:

Softening point:

No data available

No data available

Pour point:

No data available

No data available

Solidifying point:

-50 °C

Flash point: 56 °C ASTM D 93

Flammability

Solid/liquid:

Gas:

No data available

No data available

Explosive properties

No information available.

Lower explosion limits: 0,6 vol. %
Upper explosion limits: 7 vol. %
Auto-ignition temperature: No data available

Self-ignition temperature

Solid:
Gas:
No data available
Sas:
>200 °C

Decomposition temperature:
No data available
PH-Value:
No data available
Viscosity / dynamic:
not determined

Viscosity / kinematic: 1,45 mm²/s ASTM D 445

(at 25 °C)

Water solubility: <0,1 % g/L

(at 20 °C)

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water:

Vapour pressure:

1 hPa

(at 20 °C)

Vapour pressure: No data available

Density (at 20 °C): 0,756 g/cm³ ASTM D 4052

Bulk density:

Relative vapour density:

No data available

No data available

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion: No data available

Oxidizing properties

No information available.

Other safety characteristics

Solid content:

Evaporation rate:

No data available

No data available

Further Information
No data available



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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Safe handling: see section 7

Keep away from heat.

Protect from direct sunlight.

Take precautionary measures against static discharges.

10.5. Incompatible materials

Oxidising agent, strong

Strong acid, Base

10.6. Hazardous decomposition products

No information available.

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
90622-57-4	hydrocarbons, C11-C12,	isoalkanes, < 2% aroma	tics		
	oral	LD50 > 5000 mg/kg	Rat	Study report (1995)	OECD Guideline 401
	dermal	LD50 > 2200 - 2500 mg/kg	Rabbit	Study report (1961)	Standard acute method, applying 4 differ
	inhalation (4 h) vapour	LC50 >4951 mg/l	rat	ECHA	
	inhalation (4 h) dust/mist	LC50 >5600 mg/l	rat	ECHA	

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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



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STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

Practical experience

No data available

11.2. Information on other hazards

Endocrine disrupting properties

No data available

Other information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No further relevant information available.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
90622-57-4	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics						
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Oncorhynchus mykiss	ECHA	
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	>1000	48 h	Daphnia magna	ECHA	
	Fish toxicity	NOEC mg/l	0,209	28 d	Oncorhynchus mykiss	REACh Registration Dossier	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC	> 1 mg/l	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211

12.2. Persistence and degradability

Readily biodegradable (according to OECD criteria).

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
90622-57-4	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics			
		77%	28	

12.3. Bioaccumulative potential

No further relevant information available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
90622-57-4	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	>= 1,99



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BCF

CAS No	Chemical name	BCF	Species	Source
90622-57-4	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	>= 6,91	calculated	REACh Registration D

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of UK REACH.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

No information available.

Further information

Water hazard class 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

hazardous waste to be used in recycling processes or for deposition

List of Wastes Code - residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08);

waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent

mixtures; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by

hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 3295

14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (hydrocarbons, C11-C12,

isoalkanes, < 2% aromatics)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3Classification code:F1Limited quantity:5 LExcepted quantity:E1Transport category:3



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Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 3295

14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (hydrocarbons, C11-C12,

isoalkanes, < 2% aromatics)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3Classification code:F1Limited quantity:5 LExcepted quantity:E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 3295

14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (hydrocarbons, C11-C12,

isoalkanes, < 2% aromatics)

14.3. Transport hazard class(es): 3 14.4. Packing group: Ш Hazard label: 3 Special Provisions: 223 Limited quantity: 5 L Excepted quantity: E1 EmS: F-E, S-D Segregation group: chlorites

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3295

14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (hydrocarbons, C11-C12,

isoalkanes, < 2% aromatics)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3Special Provisions:A3 A324Limited quantity Passenger:10 LPassenger LQ:Y344Excepted quantity:E1

IATA-packing instructions - Passenger:355IATA-max. quantity - Passenger:60 LIATA-packing instructions - Cargo:366IATA-max. quantity - Cargo:220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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



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EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

2010/75/EU (VOC): 100 % (756 g/l) 2004/42/EC (VOC): 100 % (756 g/l)

Information according to 2012/18/EU P5c FLAMMABLE LIQUIDS

(SEVESO III):

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Classification according to Regulation (EC) No 1272/2008 [CLP]

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008

on waste and repealing certain Directives

DIRECTIVE (EU) 2018/851 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 May

2018amending Directive 2008/98/EC on waste

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

Additional information

Germany To follow:

Ordinance on systems for handling water-polluting substances (AwSV)

TRGS: 220, 400, 401, 402, 500, 509, 510, 555, 600, 720 ff., 800, 900

Berufsgenossenschaftliche Regeln (DGUV-Regeln)

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s):

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effectice concentration, 50 percent

DNEL: Derived No Effect Level



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PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Key literature references and sources for data

ECHA-Dossier

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.