

## SAFETY DATA SHEET

### Premium Propane Mix 220885 24560526

Last changed: 07/11/2013

Replaces date: 11/07/2013

Internal No: 24560526

#### 1 Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Trade name / designation Premium Propane Mix 220885 24560526

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

RELEVANT IDENTIFIED USES Gases

##### 1.3 Details of the supplier of the safety data sheet

###### NATIONAL MANUFACTURER/IMPORTER

Enterprise Sievert AB  
Address Box 1366  
Postal code 17126 Solna  
Country Sverige  
E-mail info@sievert.se  
Telephone +46 8 629 22 00

##### 1.4 Emergency Telephone Number

Emergency Phone	Type of assistance	Opening Hours
112	Dial for acute emergency	

#### 2 Hazards identification

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

DPD Classification:

CLP Classification: Flam. Gas 1H220, Press. Gas comp. gasH280

Most important HSE hazard effects: Extremely flammable gas. Contains gas under pressure; may explode if heated.

##### 2.2 Label elements



Signal word: Danger

EC-Label: No

###### H Statements

H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.

###### P Statements

P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
P381 Eliminate all ignition sources if safe to do so.  
P403 Store in a well-ventilated place.

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#### SUPPLEMENTAL HAZARD INFORMATION (EU)

R-phrases mentioned in section 2 are listed up in section 16 with complete text.

### 2.3 Other hazards

#### OTHER HAZARDS

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even aftDo not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.Keep out of the reach of children.

### 3 Composition/information on ingredients

#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C.sb.3.sb. through C.sb.7.sb. and boiling in the range of approximately -40 °C to 80 °C (-40 °		270-704-2	68476-85-7	50 - 60 %	T,F+,Carc. Cat. 1,Muta. Cat. 2,R12 - R45 - R46	Flam. Gas 1 H220 Press. Gas comp. gas Muta. 1B H340 Carc. 1B H350
Petroleumgas		270-704-2	68476-85-7	40 - 50 %	F+,R12	Flam. Gas 1 H220

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

### 4 First aid measures

#### 4.1 Description of first aid measures

##### INHALATION

General first aid, rest, warmth and fresh air. Contact physician if symptoms appears.

##### INGESTION

Contact physician. Do not induce vomiting.

##### SKIN CONTACT

Remove contaminated clothing. Heat the exposed body part in hot water on cold injury occurred.Consult a doctor if symptoms should occur.

##### EYE CONTACT

Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open). Contact physician.

##### BURNS

No information available

##### GENERAL

No information available

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

##### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Headache. Dizziness. Nausea. Prolonged or repeated exposure to this chemical may cause: Unconsciousness, possibly death.

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

##### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

### 5 Fire-fighting measures

#### 5.1 Extinguishing media

##### SUITABLE EXTINGUISHING MEDIA:

Can be extinguished with water mist, powder, alcohol-resistant foam or carbon dioxide.

##### UNSUITABLE EXTINGUISHING MEDIA

Do not use water.

##### EXTINGUISHING METHODS

No information available

#### 5.2 Special hazards arising from the substance or mixture

##### SPECIAL HAZARDS

Explosive! In the event of a fire, carbon monoxide and carbon dioxide are emitted. Forms explosive mixtures with air. Pressure chamber may explode in the event of fire. Flammable gas.

#### 5.3 Advice for fire-fighters

##### ADVICE FOR FIREFIGHTERS

Breathing apparatus should be used in fire fighting.

### 6 Accidental release measures

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

##### PERSONAL PRECAUTIONS

Use a chemicals protection suit. Wear necessary protective equipment. Avoid breathing fire vapours. Be aware of risk of fire re-starting, and risk of explosion. Do not spray on a naked flame or any incandescent material. OBS! Risk of spark formation as a result of static electricity. Isolate contaminated clothing and wash before reuse.

##### FOR NON-EMERGENCY PERSONNEL

No information available

##### FOR EMERGENCY RESPONDERS

No information available

#### 6.2 Environmental precautions

##### ENVIRONMENTAL PRECAUTIONS

Prevent discharges into nature. Should be prevented from entering drain.

#### 6.3 Methods and material for containment and cleaning up

##### METHODS AND MATERIAL

Evacuate the area. Vent to atmosphere. Risk of explosion. Remains and waste must be treated as dangerous waste.

#### 6.4 Reference to other sections

##### REFERENCES

No information available

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### 7 Handling and Storage

#### 7.1 Precautions for safe handling

##### PRECAUTION FOR SAFE HANDLING

Inhalation of vapours may cause irritation in the respiratory tract. Avoid contact with the skin and eyes. The product must be stored so that the health and environmental risks from occurring. Avoid contact with humans and animals. Prevent discharges into nature. Keep in original container. Keep out of the reach of children. Keep this product away from food products. Eat, drink, and do not smoke in the room where this product is handled. Avoid heat, sparks and open flame. Prevent static electricity through a semiconductor, the soles of shoes and floor humidity above 50%.

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

##### CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Store above freezing. Effective ventilation is a prerequisite. Evacuation plan should be found and escape routes shall not be obstructed. Protect from direct sunlight. Contact with liquid form may cause frostbite.

#### 7.3 Specific end uses

##### SPECIFIC END USE(S)

Not relevant.

### 8 Exposure controls / Personal protection

#### 8.1 Control parameters

##### LEGAL BASIS

For the prevention of occupational risks, physical dangers of this product must be taken into account according to EU Directive 89/391 and 98/24 as well as the national occupational health and safety legislation. See sections 2 and 10.

##### MONITORING PROCEDURES

No information available

##### BIOLOGICAL THRESHOLD VALUES

No information available

#### 8.2 Exposure controls

##### EXPOSURE SCENARIOS

No information available

##### INFORMATION FROM SUPPLIER

No information available

##### APPROPRIATE ENGINEERING CONTROLS

No information available

##### EYE PROTECTION

Use approved safety goggles or face shield.

##### SKIN PROTECTION

No information available

##### HAND PROTECTION

Use protective gloves for prolonged direct skin contact or if you have sensitive skin.

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### RESPIRATORY PROTECTION

Use breathing apparatus in the event of insufficient ventilation.

### LIMITATION OF ENVIRONMENTAL EXPOSURE

See section 12, limit environmental exposure.

### HEATING HAZARDS

No information available

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## 9 Physical and chemical Properties

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### 9.1 Information on basic physical and chemical properties

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<b>PHYSICAL STATE</b>	Condensed Gas.
<b>COLOUR</b>	Colourless.
<b>ODOUR</b>	Distinctive and unpleasant if stench, otherwise odorless.
<b>SOLUBILITY</b>	Not current
<b>EXPLOSIVE PROPERTIES</b>	Explosive
<b>OXIDISING PROPERTIES</b>	Not current
<b>WATER SOLUBILITY</b>	Not current
<b>FAT SOLUBILITY</b>	Not current

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	-188 °C		
Freezing point	-188 °C		
Initial boiling point and boiling range	-42 °C		
Flash point	-40 °C		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	2 - 11 %		
Vapour pressure	620 kPa		
Vapour density	1,5		
Relative density	0,5		
Partition coefficient	No data		
Auto-ignition temperature	450 °C		
Decomposition temperature	No data		
Viscosity	No data		

### 9.2 Other safety information

Note no.	Comments
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## 10 Stability and Reactivity

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### 10.1 Reactivity

#### REACTIVITY

The product is stable under normal handling.

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### 10.2 Chemical stability

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### CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

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### 10.3 Possibility of hazardous reactions

#### POSSIBILITY OF HAZARDOUS REACTIONS

No known

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### 10.4 Conditions to avoid

#### CONDITIONS TO AVOID

Avoid heat, sparks and open flame.

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### 10.5 Incompatible materials

#### INCOMPATIBLE MATERIALS

Avoid contact with oxidizing substances.

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### 10.6 Hazardous decomposition products:

#### HAZARDOUS DECOMPOSITION PRODUCTS

No known

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## 11 Toxicological information

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### 11.1 Toxicological effects

#### ACUTE TOXICITY - ORAL

No information available

#### ACUTE TOXICITY - DERMAL

No information available

#### ACUTE TOXICITY - INHALATION

Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication. Prolonged or repeated inhalation may cause: Unconsciousness, possibly death.

#### SKIN CORROSION/IRRITATION

Inhalation may cause irritation of the respiratory organs.

#### SERIOUS EYE DAMAGE/IRRITATION

No information available

#### RESPIRATORY OR SKIN SENSITISATION

No information available

#### GERM CELL MUTAGENICITY

No information available

#### CARCINOGENICITY

No information available

#### REPRODUCTIVE TOXICITY

No information available

#### SINGLE STOT EXPOSURE

No information available

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### STOT-REPEATED EXPOSURE

No information available

### ASPIRATION

No information available

### OTHER TOXICOLOGICAL INFORMATION

May have a numbing or narcotic effect.

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## 12 Ecological information

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### 12.1 Toxicity

#### ACUTE AQUATIC TEST RESULTS

No information available

#### ECOTOXICITY

Prevent discharges into nature.

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### 12.2 Persistence and degradability

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#### DEGRADABILITY

No information available

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### 12.3 Bioaccumulative potential

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#### ACCUMULATION

No information available

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### 12.4 Mobility in soil

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#### MOBILITY

No information available

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### 12.5 Results of PBT and vPvB assessment

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#### RESULT OF PBT AND VPVB ASSESSMENT

No information available

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### 12.6 Other adverse effects

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#### OTHER EFFECTS

No information available

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## 13 Disposal considerations

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### 13.1 Waste treatment methods

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#### GENERAL REGULATIONS

Extremely flammableRemains and waste must be treated as dangerous waste. Can be dumped as landfill or incinerated in accordance with local regulations.

#### CATEGORY OF WASTE

Waste regulation, SFS 2011: 927 EWC-code 16 05 04 - Gases in pressure containers.

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### 14 Transport information

Classified as Dangerous Goods: **Yes**

<b>Land transport (ADR/RID)</b>		
14.1 UN-No.	2037	14.4 Packing group
14.2 Proper Shipping Name	Non-refillable containers for gas (BUTANE <0,1% BUTADIEN, PROPANE)	14.5 Environmental hazards
14.3 Class(es)	2 Gasser	
Hazard label(s)		
Hazard ID:		Tunnel restriction code <span style="float: right;">D</span>

<b>Inland water ways transport (ADN)</b>		
14.1 UN-No.	Non-refillable containers for gas (BUTANE <0,1% BUTADIEN, PROPANE)	14.4 Packing group
14.2 Proper Shipping Name		14.5 Environmental hazards
14.3 Class(es)		
Environmentally hazardous in tank-vessels		

<b>Sea transport (IMDG)</b>		
14.1 UN-No.	Non-refillable containers for gas (BUTANE <0,1% BUTADIEN, PROPANE)	14.4 Packing group
14.2 Proper Shipping Name		14.5 Environmental hazards
14.3 Class(es)		
Sub Risk:		
IMDG Code segregation group		
Marine pollutant		
EMS:		

<b>Air transport (ICAO-TI / IATA-DGR)</b>		
14.1 UN-No.	Non-refillable containers for gas (BUTANE <0,1% BUTADIEN, PROPANE)	14.4 Packing group
14.2 Proper Shipping Name		14.5 Environmental hazards
14.3 Class(es)		
Hazard label(s)		

### 14.6 SPECIAL PRECAUTIONS FOR USER

No information available

### 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

No information available

### OTHER INFORMATION

Transport Category: 2; Maximum total quantity per transport unit 333 kg or more.



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### 15 Regulatory information

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

##### OTHER REGULATORY INFORMATION

No information available

##### PROVISIONS

1907/2006 (REACH)

##### PERMITS

No information available

#### 15.2 Chemical Safety Assessment

### 16 Other information

#### LIST OF RELEVANT R-PHRASES

R12	Extremely flammable.
R45	May cause cancer.
R46	May cause heritable genetic damage.

#### LIST OF RELEVANT H-STATEMENTS

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