

SAFETY DATA SHEET

SKÄRSPRAY GAS 400ML 592614416

Last changed: 10/07/2012

Replaces date: 12/08/2009

Internal No: 592614416

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

1.1 Product identifier

Trade name / designation SKÄRSPRAY GAS 400ML 592614416

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

1.3 Details of the supplier of the safety data sheet

NATIONAL MANUFACTURER/IMPORTER

Enterprise Tilia International AB
Address Kverrestadsvägen 16 A
Postal code 273 96 Tomelilla
Country SVERIGE
E-mail tilia.order@live.se
Telephone +46 417 322 40
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CONTACT PERSONS

Name	E-mail	Telephone	Country
Håkan Stridsberg			

2 Hazards identification

2.1 Classification of the substance or mixture

DPD Classification: F+; R12

CLP Classification: Flam. Aerosol 1H222

Most important HSE hazard effects: Extremely flammable material.

2.2 Label elements



Signal word: None

EC-Label: No

COMPOSITION

Propan (7 - 10 %), Rapsmetylester (12 - 18 %), Citronsyra (< 0,1 %), Rapsolja (30 - 50 %), Butan (30 - 35 %), Isopropanol (< 0,3 %)

H Statements

H222 Extremely flammable material.

P Statements

P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P403 Store in a well-ventilated place.

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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 after use.

3 Composition/information on ingredients

3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Propan		200-827-9	74-98-6	7 - 10 %	F+,R12	Flam. Aerosol 1 H222
Rapsmetylester		267-015-4	67762-38-3	12 - 18 %		
Citronsyra		201-069-1	77-92-9	< 0,1 %	Xi,R36	Eye Irrit. 2 H319
Rapsolja		232-299-0	8002-13-9	30 - 50 %		
Butan		203-448-7	106-97-8	30 - 35 %	F+,R12	Flam. Aerosol 1 H222
Isopropanol		200-661-7	67-63-0	< 0,3 %	Xi,F,R11 - R36 - R67	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336

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

Fresh air and rest. In the event of an accident, nausea or other effect, contact a doctor immediately.

INGESTION

Drink plenty of water. Drink milk. Get medical attention if any discomfort continues. If swallowed, the product may have a laxative effect.

SKIN CONTACT

Wash skin with soap and water. In the event of frostbite, rinse immediately with lukewarm water until blood circulation is restored (colour is restored). Be careful - risk of heat generation.

EYE CONTACT

Remove contact lenses. Immediately rinse with water for several minutes. Get medical attention if any discomfort continues. May cause tissue damage.

4.2 Most important symptoms and effects, both acute and delayed

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Provide eyewash station.

4.3 Indication of any immediate medical attention and special treatment needed

5 Fire-fighting measures

5.1 Extinguishing media

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SUITABLE EXTINGUISHING MEDIA:

Fire may be extinguished using powder, foam or carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA

Do not use a direct water jet.

5.2 Special hazards arising from the substance or mixture

SPECIAL HAZARDS

Extremely flammable. Summon the fire-fighting service. Aerosol cans may explode in fires.

5.3 Advice for fire-fighters

ADVICE FOR FIREFIGHTERS

Avoid breathing fire vapours. Wear air supplied respiratory protection.

OTHER INFORMATION

Keep combustibles away from spilled material. Small fires, let burn unless the leak can be stopped immediately and safely. Vapours are heavier than air and may spread near ground to sources of ignition. Cool the surroundings with water mist.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Wash skin with soap and water. Bear in mind the risk of slipping. Evacuate and air the premises.

6.2 Environmental precautions

ENVIRONMENTAL PRECAUTIONS

Prevent discharges into the sewage system, watercourses or lakes.

6.3 Methods and material for containment and cleaning up

METHODS AND MATERIAL

Small quantities may be flushed to drains with plenty of water. For handling of larger quantities: Collect with absorbent, non-combustible material into suitable containers.

6.4 Reference to other sections

OTHER INFORMATION

Remove or isolate all sources of ignition.

7 Handling and Storage

7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

Prevent spillage. Bear in mind the risk of slipping. Avoid sources of sparking (smoking, fire, static electricity).

7.2 Conditions for safe storage, including any incompatibilities

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Store above freezing. Store at room temperature. Pressurized container: Must not be exposed for temperatures above 50 °C. Use only in well-ventilated areas. Keep only in the original container.

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7.3 Specific end uses

8 Exposure controls / Personal protection

8.1 Control parameters

OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
Rapsolja	8002-13-9	15 min.		1	1990	
Rapsolja	8002-13-9	8 h		3	1990	
Isopropanol	67-63-0	15 min.	250	600		
Isopropanol	67-63-0	8 h	150	350		

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

8.2 Exposure controls

APPROPRIATE ENGINEERING CONTROLS

Use only in well-ventilated areas.

SKIN PROTECTION

Wear suitable protective clothing.

HAND PROTECTION

Protective gloves (butyl rubber, nitrile rubber).

RESPIRATORY PROTECTION

Breathing apparatus must be used if the limit values are exceeded. If necessary, respirator with AX filter (brown).

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

PHYSICAL STATE	Liquid.
COLOUR	Light brown.
ODOUR	Weak odour.
SOLUBILITY	Organic solvents.
WATER SOLUBILITY	Emulsable in water. Not water-soluble

Parameter	Value/unit	Method/reference	Observation
pH concentrate	< 3,7		
pH in solution	No data		
Melting point	No data		
Freezing point	No data		
Initial boiling point and boiling range	~ -20 °C	drivgasen	
Flash point	~ -40 °C	troligen ca. -40°C	
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	2 - 10 %	drivgasen	
Vapour pressure	900 kPa	40°C, drivgasen	
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

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9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	930 kg/m ³	oljefasen	

Note no.	Comments

10 Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

CONDITIONS TO AVOID

Avoid contact with oxidizing substances and strong acids. Avoid contact with bases.

10.5 Incompatible materials

10.6 Hazardous decomposition products:

11 Toxicological information

11.1 Toxicological effects

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Route of exposure	Exposure time	Value/unit	Species	Source
LC50 (Oral)		> 5 mg/l		
LD50 (Oral)		> 1000 mg/kg	råtta	

ACUTE TOXICITY - ORAL

May irritate the mucous membranes of the digestive organs. Risk of aspiration with chemical pneumonia.

ACUTE TOXICITY - DERMAL

Protracted or repeated contact may irritate the skin. May cause frostbite.

ACUTE TOXICITY - INHALATION

Inhalation of high contents may cause headache, nausea and dizziness. Risk of chemical pneumonia.

SERIOUS EYE DAMAGE/IRRITATION

May cause redness, itching.

12 Ecological information

12.1 Toxicity

Rapsmetylester				
Test	Exposure time	Value/unit	Species	Source
EC50 (Acute algae)		> 100 mg/l	bakterie	
LC50 (Acute fish)		> 100 mg/l		

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12.2 Persistence and degradability

DEGRADABILITY

Readily biodegradable.

12.3 Bioaccumulative potential

ACCUMULATION

The product contains substances that are volatile and quickly evaporate into the atmosphere. Bioaccumulation improbable.

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

OTHER EFFECTS

Only major emissions may represent a risk.

13 Disposal considerations

13.1 Waste treatment methods

14 Transport information

Classified as Dangerous Goods: Yes

Land transport (ADR/RID)

<p>14.1 UN-No. 1950</p> <p>14.2 Proper Shipping Name</p> <p>14.3 Class(es) 2</p> <p>Hazard label(s) 2.1</p> <p>Hazard ID:</p>	<p>14.4 Packing group</p> <p>14.5 Environmental hazards</p> <p>Tunnel restriction code</p>
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Inland water ways transport (ADN)

<p>14.1 UN-No. 1950</p> <p>14.2 Proper Shipping Name</p> <p>14.3 Class(es) 2</p> <p>Environmentally hazardous in tank-vessels</p>	<p>14.4 Packing group</p> <p>14.5 Environmental hazards</p>
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Sea transport (IMDG)

14.1 UN-No.	1950	14.4 Packing group	
14.2 Proper Shipping Name		14.5 Environmental hazards	
14.3 Class(es)	2		
Sub Risk:			
IMDG Code segregation group			
Marine pollutant	No		
EMS:	F-D,S-U		

Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No.	1950	14.4 Packing group	
14.2 Proper Shipping Name		14.5 Environmental hazards	
14.3 Class(es)	2.1		
Hazard label(s)			

15 Regulatory information

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

15.2 Chemical Safety Assessment

16 Other information

LIST OF RELEVANT R-PHRASES

R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

LIST OF RELEVANT H-STATEMENTS

H222	Extremely flammable material.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.