

## SAFETY DATA SHEET

### UNIVERSAL DEGREASING SPRAY LUNA CITRUS CLEANER A 400 ML 165300104

Last changed: 29/05/2015

Replaces date: 29/05/2012

Internal No. 165300104

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

##### 1.1. Product identifier

Trade name UNIVERSAL DEGREASING SPRAY LUNA CITRUS CLEANER A 400 ML 165300104

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

RECOMMENDED USES: Detergent

INADVISABLE USES: All other use is forbidden.

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

###### NATIONAL MANUFACTURER/IMPORTER

Enterprise Luna Verktyg & Maskin AB  
Postal code SE-441 80 ALINGSÅS  
Country SVERIGE  
Tel + 46 322 60 60 00  
Fax + 46 322 60 64 43

###### CONTACT PERSON

Name	Email	Tel	Country
Jörgen Bengtsson		+ 46 322 60 64 52	

##### 1.4. Emergency telephone number

Emergency Phone	Type of assistance	Opening Hours
08-33 12 31		dagtid
112	Vid akuta fall	

#### SECTION 2: Hazards identification

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

DPD F+; R12, Xi; R38, R43, N; R50/53, R67

###### Classification:

CLP Flam. Aerosol 1;H222, Skin Irrit. 2;H315, Skin Sens. 1A;H317, Eye Irrit. 2;H319, Aquatic Chronic

Classification: 2;H411, Flam. Aerosol 1;H229

**Most serious harmful effects::** Extremely flammable aerosol.Causes skin irritation.May cause an allergic skin reaction.Causes serious eye irritation.Toxic to aquatic life with long lasting effects.Pressurized container: may burst if heated

##### 2.2. Label elements



Signal word: Danger

EC-Label: No

###### COMPOSITION

Denatured ethanol (10 - 20 %), PROPAN (10 - 15 %), BUTAN (10 - 15 %), 1-metoxi-2-propanol (10 - 20 %), (R)-p-mentha-1,8-diene, d-limonene (30 - 40 %)

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#### H-phrases

H222	Extremely flammable aerosol.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H229	Pressurized container: may burst if heated

#### P-phrases

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P262	Do not get in eyes, on skin, or on clothing.
P410/412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

### 2.3. Other hazards

#### OTHER HAZARDS

Harmful: may cause lung damage if swallowed.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Ingredient name	Reg. no.	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Denatured ethanol			64-17-5	10 - 20 %	F,R11	Flam. Liq. 2 H225
PROPAN			74-98-6	10 - 15 %	F+,R12	Flam. Gas 1 H220
BUTAN			106-97-8	10 - 15 %	F+,R12	Flam. Gas 1 H220
1-metoxi-2-propanol		100-51-6	107-98-2	10 - 20 %	Xi,F,R10	Flam. Liq. 3 H226
(R)-p-mentha-1,8-diene, d-limonene		227-813-5	5989-27-5	30 - 40 %	Xi,N,R10 - R38 - R43 - R50/53	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

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

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### INHALATION

Fresh air if there are symptoms of injury. Contact physician if irritation persists.

#### INGESTION

Do not induce vomiting. Immediately consult a doctor.

#### SKIN

Wash skin with soap and water. Consult a doctor if symptoms should occur.

#### EYES

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes.

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### **BURNS**

No information available

### **GENERAL**

No information available

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

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

No Information

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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.

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## **SECTION 5: Firefighting measures**

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### **5.1. Extinguishing media**

#### **SUITABLE EXTINGUISHING MEDIA:**

Extinguishing agent: alcohol-resistant foam.

#### **UNSUITABLE EXTINGUISHING MEDIA**

Do not use water in a focused jet.

#### **EXTINGUISHING METHODS**

Containers close to fire should be removed or cooled with water.

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

#### **SPECIAL HAZARDS**

Pressure chamber may explode in the event of fire.

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### **5.3. Advice for firefighters**

#### **ADVICE FOR FIREFIGHTERS**

Use a fresh air breathing apparatus and protective suit. Containers close to fire should be removed immediately or cooled with water.

#### **OTHER INFORMATION**

Follow emergency procedures.

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## **SECTION 6: Accidental release measures**

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

#### **PERSONAL PRECAUTIONS**

Unauthorized persons should be evacuated. Prevent unauthorised persons entering the zone. Pay attention

#### **FOR NON-EMERGENCY PERSONNEL**

No information available

#### **FOR EMERGENCY RESPONDERS**

Evacuate the area.

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### 6.2. Environmental precautions

#### ENVIRONMENTAL PRECAUTIONS

Prevent discharges into the sewage system, watercourses or ground.

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

#### METHODS AND MATERIAL

No information available

### 6.4. Reference to other sections

#### REFERENCES

No Information

#### OTHER INFORMATION

No information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### 7.1. PRECAUTIONS FOR SAFE HANDLING

Provide good ventilation. No sparking tools should be used. Do not taste or swallow. Avoid heat, sparks and open flame. No smoking. Do not empty into drains. Should not be stored in the immediate vicinity of easily combustible substances. Take precautionary measures against static discharges. Prevent vapour buildup by providing adequate ventilation during and after use.

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

#### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Should not be stored in the immediate vicinity of easily combustible substances. Store in accordance with regulations for flammable goods.

### 7.3. Specific end use(s)

#### 7.3. SPECIFIC END USE(S)

No information available

#### OTHER INFORMATION

No information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### LEGAL BASIS

AFS 2011:18

#### Occupational exposure limits

Ingredient name	CAS No.	Range	ppm	mg/m3	Year	Remarks
PROPAN	74-98-6	15 min.	1100	2000		
PROPAN	74-98-6	8 h	800	1500		
BUTAN	106-97-8	15 min.	1000	2350		
BUTAN	106-97-8	8 h	800	1900		
Denatured ethanol	64-17-5	15 min.	1250			
Denatured ethanol	64-17-5	8 h	1000			

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

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### 8.2. Exposure controls

#### EXPOSURE SCENARIOS

No information available

#### INFORMATION FROM SUPPLIER

No information available

#### APPROPRIATE ENGINEERING CONTROLS

Use only in well-ventilated areas. Not translated to English

#### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

#### SKIN PROTECTION

Avoid prolonged or repeated contact. Protective clothing if necessary.

#### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

#### RESPIRATORY PROTECTION

Use respirator in the presence of vapours/aerosols. Provide good ventilation.

#### LIMITATION OF ENVIRONMENTAL EXPOSURE

Prevent discharges into the sewage system, watercourses or ground.

#### HEATING HAZARDS

No information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>STATE</b>	Liquid.
<b>COLOUR</b>	Clear.
<b>ODOUR</b>	Lemon.
<b>EXPLOSIVE PROPERTIES</b>	No information available
<b>OXIDISING PROPERTIES</b>	No information available
<b>FAT SOLUBILITY</b>	Hydrocarbons.

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Parameter	Value/unit	Method/reference	Observation
pH (concentrate)	No data		
pH (solution for use)	7		
Melting point	No data		
Freezing point	-10		
Initial boiling point and boiling range	50 °C		1)
Flash point	0 °C		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	2,3 - 9,5 %		2)
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temperature	No data		
Decomposition temperature	No data		
Viscosity	No data		

### 9.2. Other information

Parameter	Value/unit	Method/reference	Observation
Kokpunkt Propan/Butan	-20°C		

Note no.	Comments
1	Ethanol
2	Propan

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

#### 10.1. REACTIVITY

Protect from direct sunlight.

### 10.2. Chemical stability

#### 10.2. CHEMICAL STABILITY

Stable.

### 10.3. Possibility of hazardous reactions

#### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No information available

### 10.4. Conditions to avoid

#### 10.4. CONDITIONS TO AVOID

No Information

### 10.5. Incompatible materials

#### 10.5. INCOMPATIBLE MATERIALS

No information available

### 10.6. Hazardous decomposition products

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No information available

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### SECTION 11: Toxicological information

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#### 11.1. Information on toxicological effects

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##### ACUTE TOXICITY - ORAL

Harmful if swallowed. Aspiration during vomiting or ingestion may cause chemical pneumonia.

##### ACUTE TOXICITY - DERMAL

No information available

##### ACUTE TOXICITY - INHALATION

No information available

##### SKIN CORROSION/IRRITATION

Degreases the skin. May cause irritation.

##### SERIOUS EYE DAMAGE/EYE IRRITATION

Irritating to eyes.

##### RESPIRATORY SENSITISATION OR SKIN SENSITISATION

No Information

##### GERM CELL MUTAGENICITY

No Information

##### CARCINOGENIC PROPERTIES

No information available

##### REPRODUCTIVE TOXICITY

No information available

##### SINGLE STOT EXPOSURE

No Information

##### REPEATED STOT EXPOSURE

No Information

##### ASPIRATION HAZARD

No Information

##### OTHER TOXICOLOGICAL EFFECTS

No Information

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### SECTION 12: Ecological information

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#### 12.1. Toxicity

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##### ACUTE AQUATIC TEST RESULTS

No Information

##### ECOTOXICITY

May cause long-term adverse effects in the aquatic environment. Very toxic to aquatic organisms.

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#### 12.2. Persistence and degradability

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### PERSISTENCE AND DEGRADABILITY

No Information

### 12.3. Bioaccumulative potential

#### BIOACCUMULATIVE POTENTIAL

No Information

### 12.4. Mobility in soil

#### MOBILITY

No information available

### 12.5. Results of PBT and vPvB assessment

#### RESULTS OF PBT AND VPVB ASSESSMENT

No information available

### 12.6. Other adverse effects

#### OTHER EFFECTS

No information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### GENERAL REGULATIONS

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Dumped according to local and national regulations.

#### CATEGORY OF WASTE

No information available

## SECTION 14: Transport information

Classified as Dangerous Goods:  Yes

### Land transport (ADR/RID)

14.1. UN number	1950	14.4. Packing group
14.2. UN proper shipping name	Aerosol.	14.5. Environmental hazards
14.3. Transport hazard class(es)	2	
Hazard label(s)	2.1	
Hazard identification number		Tunnel restriction code



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<b>Inland water ways transport (ADN)</b>		
14.1. UN number	1950	14.4. Packing group
14.2. UN proper shipping name	Aerosol.	14.5. Environmental hazards
14.3. Transport hazard class(es)	2.1	
Hazard label(s)		
Environmental hazard in tank vessels		

<b>Sea transport (IMDG)</b>		
14.1. UN number	1950	14.4. Packing group
14.2. UN proper shipping name	Aerosol.	14.5. Environmental hazards
14.3. Transport hazard class(es)	2.1	
Sub Risk:		
IMDG Code segregation group		
Marine pollutant	Yes	
EMS:		

<b>Air transport (ICAO-TI / IATA-DGR)</b>		
14.1. UN number	1950	14.4. Packing group
14.2. UN proper shipping name	Aerosol.	
14.3. Transport hazard class(es)	2.1	
Hazard label(s)		

**14.6. SPECIAL PRECAUTIONS FOR USER**

Not relevant.

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

Not relevant.

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**SECTION 15: Regulatory information**

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

**PROVISIONS**

AFS 2011:18 The CLP Regulation (1272/2008) 1907/2006 (REACH) ADR/ADR-S (MSBFS 2011:1) and RID/RID-S (MSBFS 2011:2).

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**15.2. Chemical safety assessment**

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**OTHER INFORMATION**

No information available

**SECTION 16: Other information**

**LIST OF RELEVANT R-PHRASES**

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

**LIST OF RELEVANT H-STATEMENTS**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H229	Pressurized container: may burst if heated