



**Productname :** SOLVENT 50      **Creationdate :** 29.06.17 Version : 3.0  
**Ref.Nr.:** BDS001046\_3\_20170629 (EN)      **Replaces:** BDS001046\_20161107

Pressurised container: May burst if heated.

Classification is based on test data.

**Health:** Skin irritation, category 2  
 Causes skin irritation.  
 Skin sensitization, category 1  
 May cause an allergic skin reaction.  
 Specific target organ toxicity - single exposure, category 3  
 May cause drowsiness or dizziness.

Classification based on calculation method.

**Environment:** Hazardous to the aquatic environment, acute category 1  
 Very toxic to aquatic life.  
 Hazardous to the aquatic environment, chronic category 1  
 Very toxic to aquatic life with long lasting effects.

Classification based on calculation method.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

**Product identifier:** Contains:  
 Orange, sweet, extract  
 hydrocarbons

**Hazard pictogram(s):**



**Signal word:** Danger

**Hazard statement(s):** H222 : Extremely flammable aerosol.  
 H229 : Pressurised container: May burst if heated.  
 H315 : Causes skin irritation.  
 H317 : May cause an allergic skin reaction.  
 H336 : May cause drowsiness or dizziness.  
 H410 : Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s):** 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 : Do not pierce or burn, even after use.  
 P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 : Use only outdoors or in a well-ventilated area.  
 P273 : Avoid release to the environment.  
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
 P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P501-2 : Dispose of contents/container to an authorised waste collection point.

**Supplemental Hazard information:** None

**Regulation (EC) No** aliphatic hydrocarbons > 30 %

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**648/2004 on detergents:**

perfumes                      limonene

**2.3. Other hazards**

No information available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	01-2119475514-35	-	(921-024-6)	25-50	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H225,H315,H336,H304,H411	B,Q
cyclohexane	01-2119463273-41	110-82-7	203-806-2	10-25	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1	H225,H304,H315,H336,H400,H410	A
Orange, sweet, extract	01-2119493353-35	8028-48-6	232-433-8	10-25	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226,H315,H317,H304,H400,H410	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	01-2119463258-33	-	(919-857-5)	10-25	Flam. Liq. 3, Asp. Tox. 1, STOT SE 3	H226,H304,H336	B,Q
carbon dioxide	-	124-38-9	204-696-9	1-5	Press. Gas	H280	A,G

**Explanation notes**

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)of REACH Regulation No 1907/2006

Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

**Contact with eyes :**                      If substance has got into eyes, immediately wash out with plenty of water  
Seek medical advice



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**Contact with skin :** Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water  
Seek medical advice

**Inhalation :** IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.

**Ingestion :** If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

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

**Inhalation :** Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness

**Ingestion :** After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.  
Symptoms : sore throat, abdominal pain, nausea, vomiting

**Skin contact :** Irritating to skin  
May cause sensitisation by skin contact.  
Symptoms : redness and pain

**Eye contact :** May cause irritation.  
Symptoms : redness and pain

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

**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor

## SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

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

Aerosols may explode if heated above 50°C  
Forms hazardous decomposition products  
CO,CO2

#### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

## SECTION 6: Accidental release measures



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

Shut off all ignition sources  
Ensure adequate ventilation  
Wear protective gloves/protective clothing/eye protection/face protection.

### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

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

Absorb spillage in suitable inert material

### 6.4. Reference to other sections

For further information see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
Equipment should be earthed  
Use explosion-proof electrical/ventilating/lighting/.../equipment.  
Use only non-sparking tools.  
Do not breathe aerosols or vapours.  
Ensure adequate ventilation  
Do not get in eyes, on skin, or on clothing.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Contaminated work clothing should not be allowed out of the workplace.

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Keep out of reach of children.

### 7.3. Specific end use(s)

Cleaners - Precision

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters



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**Exposure limits :**

Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
cyclohexane	110-82-7	TWA	200 ppm
carbon dioxide	124-38-9	TWA	9000 mg/m3
		STEL	1800 mg/m3
<b>National established exposure limits, United Kingdom</b>			
cyclohexane	110-82-7	TWA	100 ppm
		STEL	300 ppm
carbon dioxide	124-38-9	TWA	5000 ppm
		STEL	15000 ppm

**8.2. Exposure controls**

<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type AX)
<b>hands and skin :</b>	When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.
Recommended gloves:	Nitrile
<b>eyes :</b>	Wear safety eyewear according to EN 166.
<b>Environmental protection:</b>	Avoid release to the environment. Collect spillage.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

(for aerosols data for the product without propellant)

<b>Apperance : physical state :</b>	Liquid.
<b>colour :</b>	Colourless to yellow.
<b>odour :</b>	Citrus.
<b>pH :</b>	Not applicable.
<b>Boiling point/range :</b>	55-190
<b>Flash point :</b>	< 0 °C
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.



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**Vapour pressure :** Not available.  
**Relative density :** 0.753 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C

## 9.2. Other information

**VOC = volatile organic compounds** 722 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO<sub>2</sub>

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**acute toxicity:** based on available data the classification criteria are not met  
**skin corrosion/irritation:** Causes skin irritation.  
**serious eye damage/irritation:** based on available data the classification criteria are not met  
**respiratory or skin sensitisation:** May cause an allergic skin reaction.  
**germ cell mutagenicity:** based on available data the classification criteria are not met



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**carcinogenicity:** based on available data the classification criteria are not met  
**toxicity for reproduction:** based on available data the classification criteria are not met  
**STOT-single exposure:** May cause drowsiness or dizziness.  
**STOT repeated exposure:** based on available data the classification criteria are not met  
**aspiration hazard:** based on available data the classification criteria are not met

#### Information on likely routes of exposure:

**Inhalation :** Inhalation of solvent vapours may give rise to nausea, headaches and dizziness  
**Ingestion :** After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.  
**Skin contact :** May cause sensitisation by skin contact. Irritating to skin  
**Eye contact :** May cause irritation.

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
cyclohexane	110-82-7	LD50 oral rat	> 5000 mg/kg
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	LD50 oral rat	>5000 mg/kg
		LC50 inhal.rat	4951 mg/m3
		LD50 derm.rabit	>5000 mg/kg
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	-	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 25000 mg/m3
		LD50 derm.rat	> 2000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, acute category 1  
 Very toxic to aquatic life.  
 Hazardous to the aquatic environment, chronic category 1  
 Very toxic to aquatic life with long lasting effects.

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
cyclohexane	110-82-7	EC50 daphnia	0.9 mg/l
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	-	LC50 fish	> 10 mg/l
		EC50 daphnia	3 mg/l

### 12.2. Persistence and degradability



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No experimental data available

### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil

Insoluble in water

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

No experimental data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**National regulations :** Disposal should be in accordance with local, state or national legislation

## SECTION 14: Transport information

### 14.1. UN number

UN-number : 1950

### 14.2. UN proper shipping name

Proper shipping name: AEROSOLS (naphta, cyclohexane)

### 14.3. Transport hazard class(es)

Class: 2.1  
ADR/RID - Classification code: 5F

### 14.4. Packing group

Packing group: Not applicable.





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VOC = volatile organic compounds  
PBT = persistent bioaccumulative toxic  
vPvB = very persistent very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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