

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012

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

- **Product identifier**
- **Trade name: Topanol Formula O Liquid**
- **Article number: 107405**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation Antioxidant**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 AZELIS
 Posthofbrug 12, box 6
 B-2600 Antwerp
 Belgium
- **Further information obtainable from:**
 Azelis
 E mail: sds@azelis.com
- **Emergency telephone number:**
 + 33 (0) 1 44 73 10 02 (Carechem 24*7)
 For advice on chemical emergencies, spillages, fires or First Aid
 National emergency telephone number :
 Czech Republic: Toxikologické informační středisko (TIS), Klinika nemocí z povolání, Na Bojišti 1,
 128 08 Praha 2, Tel – nonstop: + 420 224 919 293, + 420 224 915 402
 France : Orfila 01.45.42.59.59
 Netherlands: National vergiftigen info centrum: 030-2748888
 Denmark Giftlinien +45 82 12 12 12
 Sverige +46 08-33 12 31
 Norge Giftcentralen +47 22 59 13 00
 Schweizerisches Toxikologisches Informationszentrum Telefon +41 145
 Finland: Myrkytystietokeskus, puh. 09-471977 tai 09-4711/Myrkytystietokeskus
 Vergiftungsinformationszentrale Wien Telefon +43 1 4064343
 Núdzové telefonné číslo: Národné toxikologické informačné centrum, tel: 02/ 5477 4166

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1


Revision: 16.05.2012

Trade name: Topanol Formula O Liquid


(Contd. of page 1)

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 Xn; Harmful

R22-65: Harmful if swallowed. Harmful: may cause lung damage if swallowed.

 Xi; Irritant

R38: Irritating to skin.

R10-52/53: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system:**

The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

Kerosine - unspecified

· **Hazard statements**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012






Trade name: Topanol Formula O Liquid

(Contd. of page 2)

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Dangerous components:**

| | | |
|--|---|-------|
| CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2 | Kerosine - unspecified  Xn R22-65  Xi R38 R10-52/53 <hr style="border-top: 1px dashed black;"/>  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Acute Tox. 4, H302; Skin Irrit. 2, H315 Aquatic Chronic 3, H412 | > 80% |
|--|---|-------|

· **Additional information:**

For the wording of the listed risk phrases refer to section 16.

| | | |
|---|---------------------------|-------|
| CAS: 128-37-0 EINECS: 204-881-4 RTECS: GO 7875000 | Butylated Hydroxy Toluene | < 20% |
| | Green dye | |

4 First aid measures

· **Description of first aid measures**

· **General information:** Seek medical treatment in case of complaints.

· **After inhalation:**

Remove from exposure.

General first aid, rest, warmth and fresh air.

If respiratory problems, artificial respiration/oxygen.

Seek immediate medical advice.

· **After skin contact:**

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

Obtain medical attention.

· **After eye contact:**

Remove contact lenses.

Promptly wash eyes with plenty of water while lifting the eye lids.

Continue to rinse for at least 15 minutes and get medical attention.

· **After swallowing:**

Do not induce vomiting.

If the person is conscious:

Rinse mouth thoroughly.

Drink 200-300 ml of water

Obtain medical attention

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

GB

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012

Trade name: Topanol Formula O Liquid

(Contd. of page 3)

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - Foam
 - Carbon dioxide
 - Dry Chemical Powder
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
 - Flammable
 - During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- **Advice for firefighters**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation
 - Keep away from ignition sources.
 - Particular danger of slipping on leaked/spilled product.
 - Avoid contact with eyes and skin
- **Environmental precautions:**
 - Do not allow to enter sewers/ surface or ground water.
 - Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**
 - Absorb into dry earth or sand.
 - Fill the material into labelled containers.
 - Clean the affected area carefully
 - Waste water should not be lead into sewage, drains or streams.
 - Dispose of the material collected according to regulations.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 - Usual safety precautions should be observed to ensure safe handling.
 - Avoid contact with eyes and skin.
 - Avoid breathing vapor/aerosol/mist.
 - Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store in cool, dry conditions in well sealed receptacles.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012

Trade name: Topanol Formula O Liquid

(Contd. of page 4)

- **Information about storage in one common storage facility:**
Keep away from foodstuffs, beverages and feed.
Store separated from:
Strong oxidizing agents.
- **Further information about storage conditions:** Shelf-life: 1 years.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** This is based on data that was valid at the time of writing.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Ensure adequate ventilation.
Remove and wash contaminated clothing before re-use.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Eyewash and safety shower facilities should be available when handling this product.
- **Respiratory protection:**



If vapors are present; use air purifying cartridge respirator or a positive pressure supplied air respirator.

NIOSH or European Standard EN 149 approved respirator

- **Protection of hands:**



Protective gloves.

DIN/EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Wear eye/face protection.
(EN 166)
- **Body protection:** Wear suitable protective clothing.

GB

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012

Trade name: Topanol Formula O Liquid

(Contd. of page 5)

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

| | |
|---------------------------|-----------------------|
| · Form: | Liquid |
| · Colour: | Pale straw |
| · Odour: | Slight Phenol-like |
| · Odour threshold: | Not determined. |

· **pH-value:** Not determined.

· **Change in condition**

| | |
|---------------------------------------|---------------|
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | 150 -300°C |

· **Flash point:** 38 - 43°C (Closed cup)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:**

· **Decomposition temperature:** Undetermined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· **Explosion limits:**

| | |
|-----------------|-----------------|
| · Lower: | Not determined. |
| · Upper: | Not determined. |

· **Vapour pressure:** Not determined.

· **Density at 15°C:** 0.80 - 0.82 g/ml

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with water:**

0.002 % (w/w)

· **Chloroform:**

· **organic solvents:** Soluble in most organic solvents.

· **Segregation coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· **Dynamic:** Not determined.

· **Kinematic:** Not determined.

· **Other information** No further relevant information available.

10 Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

· **Possibility of hazardous reactions** Violent reaction possible with strong oxidizing agent.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012

Trade name: Topanol Formula O Liquid

(Contd. of page 6)

- **Hazardous decomposition products:**
During thermal decomposition possible formation of:
Toxic gases/vapours
Irritant gases/vapours

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:**
Irritating to skin
Prolonged or repeated skin contact may cause drying, cracking or irritation.
 - **on the eye:** Irritation
 - **ingestion:**
Harmful: could cause lung damage if swallowed.
Harmful if swallowed.
 - **inhalation:** Inhalation of vapours or mists of the product may be irritating to the respiratory system.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** Kerosene is inherently biodegradable.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Liquid with moderate volatility. The product is sparingly soluble in water. Spillages may penetrate the ground causing contamination.
Spillages of kerosene may form a film on water surfaces, which may lead to physical damage of aquatic organisms.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012




Trade name: Topanol Formula O Liquid

(Contd. of page 7)

Dispose of in accordance with Local Authority requirements.

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

| | |
|---|---|
| · UN-Number · ADR, IMDG, IATA | UN1223 |
| · UN proper shipping name · ADR · IMDG · IATA | 1223 KEROSENE KEROSENE, MARINE POLLUTANT KEROSENE |
| · Transport hazard class(es) · ADR, IATA | |
|  | |
| · Class · Label | 3 Flammable liquids. 3 |
| · IMDG | |
|   | |
| · Class · Label | 3 Flammable liquids. 3 |
| · Packing group · ADR, IMDG, IATA | III |
| · Environmental hazards: · Marine pollutant: | Yes Symbol (fish and tree) |
| · Special precautions for user · Danger code (Kemler): · EMS Number: | Warning: Flammable liquids. 30 F-E, S-E |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR · Tunnel restriction code | D/E |
| · UN "Model Regulation": | UN1223, KEROSENE, 3, III |

GB

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.05.2012

Revision no. 1

Revision: 16.05.2012

Trade name: Topanol Formula O Liquid

(Contd. of page 8)

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard statements** Please refer section 2.
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H226 *Flammable liquid and vapour.*

H302 *Harmful if swallowed.*

H304 *May be fatal if swallowed and enters airways.*

H315 *Causes skin irritation.*

H412 *Harmful to aquatic life with long lasting effects.*

R10 *Flammable.*

R22 *Harmful if swallowed.*

R38 *Irritating to skin.*

R52/53 *Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

R65 *Harmful: may cause lung damage if swallowed.*

- **Department issuing SDS:** SHEQ

- **Contact:** sds@azelis.com

- **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)*

IMDG: *International Maritime Code for Dangerous Goods*

IATA: *International Air Transport Association*

GHS: *Globally Harmonized System of Classification and Labelling of Chemicals*