

ALFAGEL 400

Date 13.6.2011

Previous date: 24.4.2009

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
- 1.1.1 Commercial Product Name**
ALFAGEL 400
- 1.1.2 Product code**
001 7120
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- 1.2.1 Recommended use**
Painting work.
Description: Alkali-resistant silicone-based protective agent.
- 1.3 Details of the supplier of the safety data sheet**
- 1.3.1 Supplier**
Tikkurila Oyj
- P.O.Box** P.O.Box 53
Postcode and post office FI-01301 VANTAA
FINLAND
- Telephone** +358 9 857 71
Telefax +358 9 8577 6936
- 1.3.4 Responsible for the Safety Data Sheet:**
Tikkurila Oyj, Product Safety, e-mail: productsafety@tikkurila.com
- 1.4 Emergency telephone number**
- 1.4.1 Telephone number, name and address**
Tikkurila Oyj, Environment and Safety: +358 9 857 71

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
The product is not classified as dangerous in accordance with EU Directive 1999/45/EC.
67/548/EEC - 1999/45/EC
-;
- 2.2 Label elements**
The product does not have a warning label.
67/548/EEC - 1999/45/EC
- 2.3 Other hazards**
Other hazards are not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

| Hazardous components | | Chemical name of the substance | Concentration | Classification |
|----------------------|--------|--------------------------------|---------------|----------------|
| CAS number | EINECS | | | |
| - | - | - | - | - |

4. FIRST AID MEASURES

- 4.1 Description of first aid measures**
In all cases of doubt, or when symptoms persist, seek medical attention.
- 4.1.2 Inhalation**
Remove to fresh air.

ALFAGEL 400

Date 13.6.2011

Previous date: 24.4.2009

- 4.1.3 Skin contact**
Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.
- 4.1.4 Eye contact**
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 15 minutes and seek medical advice if necessary.
- 4.1.5 Ingestion**
If accidentally swallowed give several small portions of water to drink. Obtain medical attention, when necessary.
- 4.2 Most important symptoms and effects, both acute and delayed**
None known.
- 4.3 Indication of immediate medical attention and special treatment needed**
None.

5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
- 5.1.1 Suitable extinguishing media**
Recommended: Alcohol resistant foam, CO₂, powders or dry sand.
- 5.1.2 Extinguishing media which must not be used for safety reasons**
None known.
- 5.2 Special hazards arising from the substance or mixture**
Exposure to decomposition products may cause health hazard. Appropriate respiratory protection may be necessary. Hazardous decomposition / combustion products: alcohols, and nitrogen gases.
- 5.3 Advice for firefighters**
Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Avoid skin and eye contact with the product. Refer to protective measures listed in sections 7 and 8. Avoid breathing vapours or mists.
- 6.2 Environmental precautions**
Do not allow to enter drains or water courses.
- 6.3 Methods and materials for containment and cleaning up**
Do not flush away with water. Mechanical cleaning. Contain and collect spillage with non-combustible absorbent materials, e.g. sand. Contaminated water / firefighting water is collected.
- 6.4 Reference to other sections**
See also Section 13 for waste disposal instructions.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Keep away from open fire, sources of heat and sparks. In partly emptied containers formation of explosive mixtures is possible. The product can release methanol.
In case of the formation of aerosols special protective measures (like local exhaust ventilation and appropriate respirator) are required.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in a cool, dry, well ventilated place. No smoking. Keep container tightly closed. Do not allow to freeze.
- 7.3 Specific end use(s)**
None.

ALFAGEL 400

Date 13.6.2011

Previous date: 24.4.2009

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

The product does not contain reportable concentrations of substances with the exposure limit values (Occupational Exposure Limit Values according to EU Directives and Threshold Limit Values according to ACGIH 2009).

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Smoking, eating and drinking should be prohibited in application area. Avoid inhalation of vapour. Provide adequate ventilation.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

If ventilation during spray-application is insufficient, use appropriate certified respirators with gas, vapour and dust filter AP.

8.2.2.2 Hand protection

Always wear protective gloves.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Gloves should be replaced regularly. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended protective glove type is e.g.: PVC.

8.2.2.3 Eye/face protection

Use safety eyewear, specially during spray-application.

8.2.2.4 Skin protection

Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

White paste, weak odour.

9.1.6 Initial boiling point and boiling range 100 °C

9.1.7 Flash point 64 °C

9.1.9 Flammability (solid, gas) 265 °C

9.1.10 Explosive properties

9.1.10.1 Lower explosion limit -

9.1.10.2 Upper explosion limit -

9.1.11 Vapour pressure 23 hPa (20 °C)

9.1.13 Relative density 0,9

9.1.14 Solubility(ies)

9.1.14.1 Water solubility Soluble

9.2 Other information

Solubility in water: Hydrolytic decomposition occurs. Explosion limits for released ethanol 3,3 - 19 vol-%.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

See section 10.5.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

See section 10.5.

ALFAGEL 400

Date 13.6.2011

Previous date: 24.4.2009

- 10.4 Conditions to avoid**
None known.
- 10.5 Incompatible materials**
Reacts slowly with water and acids. Reaction causes the formation of ethanol.
- 10.6 Hazardous decomposition products**
By hydrolysis: ethanol.

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
According to the present state of knowledge no damaging effect is expected when treated in accordance with standard industrial practices and local regulations where applicable.
- 11.1.8 Other information on acute toxicity**
Inhalation: Long term exposure to spray mist may cause irritation of respiratory system.
Skin contact: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis. The liquid splashed in the eyes may cause irritation.
Ingestion: Ingestion may cause nausea.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
No relevant data.
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
No relevant data.
- 12.3 Bioaccumulative potential**
No relevant data.
- 12.4 Mobility in soil**
No data available.
- 12.5 Results of PBT and vPvB assessment**
No data available.
- 12.6 Other adverse effects**
Tuotetta ei ole luokiteltu ympäristölle vaaralliseksi.
There is no ecotoxicological test data available on the product itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Product residues:
Gather residues into waste containers. Destroy according to the rules given by local authorities. EWC-code for liquid waste is e.g 08 01 11 or 08 01 12 (waste paint and varnish).
Packaging waste:
Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

- 14.1 UN number** None.
- 14.2 UN proper shipping name** None.
- 14.3 Transport hazard class(es)** Not classified
- 14.4 Packing group** None.

ALFAGEL 400

Date 13.6.2011

Previous date: 24.4.2009

- 14.5 Environmental hazards**
The product is not classified as environmentally hazardous according to international transport regulations.
- 14.6 Special precautions for users**
None known.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
None known.

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
None known.
- 15.2 Chemical safety assessment**
Have not been performed.

16. OTHER INFORMATION

- 16.5 Full text of R-phrases and/or Hazard statements (H-statements) referred to under sections 2 and 3**
- | | |
|-----------|--|
| R10 | Flammable. |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| R34 | Causes burns. |
| R38 | Irritating to skin. |
| R41 | Risk of serious damage to eyes. |
| R43 | May cause sensitization by skin contact. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
- 16.8 Additional information**
This Safety Data Sheet is prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH).
The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
Additional information available from:
Tikkurila Oyj, Product Safety, P.O. Box 53, FIN-01301 VANTAA, FINLAND,
Telephone +358 9 857 71, Fax +358 9 8577 6936, E-mail: productsafety@tikkurila.com
- Signature** g/akk