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

1.1 Product identifier
1.1.1 Commercial Product Name
ALFASIL Silicone protection

1.1.2 Product code
005 9220

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 (Mon-Fri 8-16 Finnish time)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
67/548/EEC - 1999/45/EC
Xn; R10-65

2.2 Label elements
67/548/EEC - 1999/45/EC
Xn Harmful
R-phrase(s)
R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
S-phrase(s)
S2 Keep out of the reach of children.
S23 Do not breathe vapour/spray.
S51 Use only in well-ventilated areas.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains:
Naphtha, hydrotreated heavy

2.3 Other hazards
Other hazards are not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
Hazardous components
SAFETY DATA SHEET

ALFASIL Silicone protection

Date 28.11.2012 Previous date: 24.4.2009

<table>
<thead>
<tr>
<th>CAS/REACH</th>
<th>EINECS</th>
<th>Chemical name of the substance</th>
<th>Concentration</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9</td>
<td>265-150-3</td>
<td>Naphtha, hydrotreated heavy (aliphatic hydrocarbon solvent)</td>
<td>80 - 100 %</td>
<td>Xn; R10-65-66</td>
</tr>
<tr>
<td>34396-03-7</td>
<td>251-995-5</td>
<td>Isooctyltrimethoxysilane</td>
<td>1 - 5%</td>
<td>-; R10-52/53</td>
</tr>
</tbody>
</table>

3.3 Other information
Naphtha, hydrotreated heavy contains benzene less than 0.1 w-%. See Section 16 for full text of R-phrases and H-statements.

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, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Seek medical attention.

4.1.3 Skin contact
Remove contaminated clothing. 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 rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed
Harmful: may cause lung damage if swallowed. Inhalation of vapours may cause dizziness, headache and nausea.

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 water spray/mist.

5.1.2 Extinguishing media which must not be used for safety reasons
Do not use strong water jets.

5.2 Special hazards arising from the substance or mixture
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

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
Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions
Do not allow to enter drains or water courses.
6.3 Methods and materials for containment and cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with a detergent; avoid the use of solvents.

6.4 Reference to other sections
See also Section 13 for waste disposal instructions.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Vapours are heavier than air and may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Isolate from sources of heat, sparks and open flame. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. No sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. No smoking. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. Keep container tightly closed.

7.3 Specific end use(s)
None.

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
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

8.2.2 Individual protection measures
8.2.2.1 Respiratory protection
Use appropriate certified respirators, with gas and vapour filter A, during sanding with dust filter P2, if ventilation is insufficient. During spray-application use respirators with gas, vapour and dust filter A/P3. During continuous and long-term work the use of motor-driven or air-fed respirators is recommended.

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 and if there is any sign of damage to the glove material. 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.: nitrile rubber (breakthrough time > 480 min.), laminated foil (breakthrough time > 480 min.)

8.2.2.3 Eye/face protection
Use safety eyewear designed to protect against splash of liquids.

8.2.2.4 Skin protection
SAFETY DATA SHEET
ALFASIL Silicone protection
Date 28.11.2012

Personnel should wear protective clothing.
When necessary, wear anti-static protective clothing made of natural fibre or of high temperature resistant synthetic fibre.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important Health Safety and Environmental Information
9.1.1 Appearance
Liquid, strong odour

9.1.6 Initial boiling point and boiling range
145 - 200 °C *)

9.1.7 Flash point
36 °C

9.1.10 Explosive properties
9.1.10.1 Lower explosion limit
1,4 vol-% *)

9.1.10.2 Upper explosion limit
7,6 vol-% *)

9.1.11 Vapour pressure
1 kPa (38 °C) *)

9.1.13 Relative density
0,8

9.1.14 Solubility(ies)
9.1.14.1 Water solubility
Insoluble

9.1.16 Auto-ignition temperature
250 °C

9.2 Other information
Evaporation rate (BuAc=1) : 0,11 *)
*) = Naphtha, hydrotreated heavy

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.

10.4 Conditions to avoid
In confined or poorly ventilated spaces solvent vapours may form explosive mixtures with air. When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products
Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may produce when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
There are no toxicological test data available on the product itself.

11.1.7 Aspiration hazard
The product contains solvent naphtha, which may cause lung damage if swallowed.

11.1.8 Other information on acute toxicity
Inhalation: Long term exposure to spray mist or solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Skin contact: Repeated or prolonged contact with the preparation causes removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

Ingestion: Ingestion may cause nausea, diarrhoea and vomiting.

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
The product is not classified as environmentally hazardous. 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 (waste paint and varnish containing organic solvents or other dangerous substances).
Packaging waste:
Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 UN number 1263
14.2 UN proper shipping name paint
14.3 Transport hazard class(es) 3
14.4 Packing group III
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.

14.8 Further Information
EmS: F-E,S-E
15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
None known.

15.2 Chemical safety assessment
Has 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.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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              a/akk