

AKVI COLOR AT-S

Date 29.4.2009

Previous date: 17.4.2007

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

- 1.1 Identification of the article**
1.1.1 Commercial Product Name
 AKVI COLOR AT-S
- 1.1.2 Product code**
 378 -series
- 1.2 Use of the Substance/Preparation**
1.2.1 Intended use
 Painting work.
 Description: Water-borne wood stain
- 1.3 Identification of the company**
1.3.1 Supplier
 Tikkurila Oyj
- 1.3.2 Contact information:**
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 Oy, Product Safety, e-mail: productsafety@tikkurila.com
- 1.4 Emergency telephone number**
1.4.1 Telephone number, name and address
 Tikkurila Oy, Environment and Safety: +358 9 857 71

2. HAZARDS IDENTIFICATION

Flammable.
 Information on hazard labelling in section 15.1.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Hazardous components		3.1.2 Chemical name of the substance	3.1.3 Concentration	3.1.4 Classification
	3.1.1 CAS number	EINECS			
	64-17-5	200-578-6	Ethanol	0 - 8 %	F; R11
	34590-94-8	252-104-2	Dipropyleneglycol methylether	0 - 2 %	-

4. FIRST AID MEASURES

- 4.1 Additional advice**

- 4.2 Inhalation**
 Remove to fresh air, keep patient warm and at rest.
- 4.3 Skin contact**
 Wash skin thoroughly with soap and water or use recognized skin cleanser.
- 4.4 Eye contact**
 Irrigate copiously with clean, fresh water for at least 10 minutes.
- 4.5 Ingestion**
 If accidentally swallowed, drink water or milk. Obtain medical attention, when necessary.

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5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
Use foam, CO₂, powder or water spray.
- 5.2 Extinguishing media which must not be used for safety reasons**
Waterjet
- 5.3 Specific hazards**
Fire will produce dense black smoke, which contains decomposition products. Avoid breathing the smoke.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
Avoid breathing vapours. Exclude sources of ignition.
- 6.2 Environmental precautions**
Do not allow to enter drains or water courses.
- 6.3 Methods for cleaning up**
Contain and collect spillage with absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean with a detergent and water.

7. HANDLING AND STORAGE

- 7.1 Handling**
Vapours are heavier than air and may form explosive mixtures with air. Good ventilation must be provided. Keep away from sources of ignition. Take precautionary measures against static discharges.
- 7.2 Storage**
Keep containers tightly closed. Store in a cool, dry, well ventilated place away from sources of heat and direct sunlight. Protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Exposure Limit Values**
- 8.1.1 Occupational exposure limit values**
Ethanol 1000 ppm (8 h)
Dipropylenglycol methylether 100 ppm (8 h)
- 8.1.2 Information on limit values**
TLV-TWA = Threshold Limit Values - Time-weighted average / ACGIH 2008
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
Provide adequate ventilation. Comply with the health and safety at work laws.
- 8.2.1.1 Respiratory protection**
If ventilation during spray-application is not sufficient, use respiratory protection with gas, vapour and dust filter AP.
- 8.2.1.2 Hand protection**
Always wear protective gloves (e.g. nitrile rubber). Barrier creams may also help to protect the exposed areas of the skin.
- 8.2.1.3 Eye protection**
During spray-application use safety eyewear designed to protect against splashes of liquids.
- 8.2.1.4 Skin and body protection**
Use suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General Information (appearance, odour)**
Coloured liquid

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9.2	Important Health Safety and Environmental Information	
9.2.2	Boiling point/range	+ 78 °C *)
9.2.3	Flash point	+ 48 °C
9.2.5	Explosive properties	
9.2.5.1	Lower explosion limit	3,3 vol-% *)
9.2.5.2	Upper explosion limit	19 vol-% *)
9.2.7	Vapour pressure	5,8 kPa (20 °C) *)
9.2.8	Relative density	1,0
9.2.9	Solubility	
9.2.9.1	Water solubility	Soluble
9.3	Other data	
	Evaporation rate (BuAc=1) : 1,7 *)	
	*) = Ethanol	

10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid**
Solvent vapours may form explosive mixtures with air.
- 10.2 Materials to avoid**
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- 10.3 Hazardous decomposition products**
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute toxicity**

- 11.2 Primary irritation**

- 11.3 Sensitisation**

- 11.5 Human experience**
11.5.1 Inhalation: ---
11.5.2 Skin contact: Repeated or prolonged contact with the preparation may cause removal of the natural fat from the skin resulting in contact dermatitis. Splashes in the eyes may cause slight irritation.
11.5.3 Other effects: ---

12. ECOLOGICAL INFORMATION

- 12.6 Other adverse effects**
There is no data available on the preparation itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

- 13.1 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).
13.2 Packaging: Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

- 14.1 UN No** 1263
- 14.2 Packing group** III

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14.3	Land transport	
14.3.1	ADR/RID Class	3
14.3.3	Description of the goods	paint
14.4	Sea transport	
14.4.1	IMDG Class	3
14.4.2	Proper shipping name	paint
14.4.3	Further Information	EmS: F-E,S-E
14.5	Air transport	
14.5.1	ICAO/IATA Class	3
14.5.2	Proper shipping name	paint

15. REGULATORY INFORMATION

15.1	Information on the warning label	
15.1.1	Letter code of the warning symbol and indications of danger for the preparation	
15.1.3	R-phrases(s)	
	R10	Flammable.
15.1.4	S-phrases(s)	
	S23	Do not breathe vapour/spray.
	S38	In case of insufficient ventilation, wear suitable respiratory equipment.

16. OTHER INFORMATION

16.1	Full text of R-phrases referred to under sections 2 and 3
	R10 Flammable.
	R11 Highly flammable.
16.4	Additional information
	The information of this MSDS is based on the present state of our knowledge and on current EC laws. It is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.
	Additional information available from: Tikkurila Oy, 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 ag/mhj