

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name

ARTKOTE

Use of the substance/preparation

Liquid laminate

Company/undertaking identification

Name and address

FTC (UK) Ltd

46 Wellington Road, Raunds, WELLINGBOROUGH, NN9 6DL, UK

Telephone no. +44 (0)1933 460641 Fax no. +44 (0)1933 698799

E-mail address of person responsible for this SDS

liquids@ftcuk.com

Information provided by / telephone

Product safety +44 (0)1933 460641

Emergency telephone

+44 (0)1933 460641

2. Hazards possibilities

Classification R43-52/53**R phrases**

43 May cause sensitisation by skin contact

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

Specific hazards to man and the environment

The product is water polluting.

3. Composition / information on ingredients

Chemical characterization

Liquid laminate containing water, based on polyurethane

Hazardous ingredients**(METHYLPHENYL)-W-HYDROXY-POLY(OXY(METHYL-1,2-ETHANEDIYL))**

CAS no. 9064-13-5

Concentration ≥ 1 <5 %-b.w.

Classification Xi;R43

N-METHYL-2-PYRROLIDONE

CAS no. 872-50-4

EINECS no. 212-828-1

Concentration ≥ 1 <5 %-b.w.

Classification Xi;R36/38

PROPANE-1,2-DIOL

CAS no. 57-55-6

EINECS no. 200-338-0

Concentration >=1 <5 %-b.w.

2-(2-BUTOXYETHOXY)ETHANOL

CAS no. 112-34-5
 EINECS no. 203-961-6
 Concentration >=1 <5 %-b.w.
 Classification Xi;R36

POLYPROPYLENGLYKOL

Concentration >=1 <5 %-b.w.
 Classification Xn;R22

(2-METHOXY-DI-METHYLETHOXY)PROPANOLE

CAS no. 111109-77-4
 EINECS no. 404-640-5
 Concentration >=1 <5 %-b.w.

MIXTURE OF ALPHA-3-(3-(2H--BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONYL-OMEGA--HYDROXPOLY(OXYETHYLENE) AND ALPHA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONYL-OMEGA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL)PROPIION(OXYETHYLENE)

ELINCS number 400-830-7
 Concentration >=0,5 <1 %-b.w.
 Classification Xi;R43
 N;R51/53

BIS(1,2,2,6,6--PENTAMETHYL-4-PIPERIDYL) SEBACATE

CAS no. 41556 -26-7
 EINECS no. 255-437-1
 Concentration <0,5 %-b.w.
 Classification R43
 N;R50/53

METHYL 1,2,2,6,6--PENTAMETHYL-4-PIPERIDYL SEBACATE

CAS no. 82919 -37-7
 EINECS no. 280-060-4
 Concentration <0,5 %-b.w.
 Classification R43
 N;R50/53

4. First aid measures

General information

Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Unconsciousness: lateral position - call a physician.

After inhalation

Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Call a physician.

After skin contact

Wash away with soap and water and rinse. Do NOT use solvents or thinners!

After eye contact

Flush with plenty of water (10 - 15 min.).

After ingestion

Call a physician. Keep at rest. Do not induce vomiting.

5. Fire--fighting measures

Suitable extinguishing media

Carbon dioxide, foam, sand, water.

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

Material supports the burning only after evaporation of the watery content. In this case, dangerous smoke gases such as carbon dioxide, carbon monoxide, soot and nitrogen oxides can be produced. Therefore, take suitable precautionary measures for fire fighting. Residues remaining after a fire have to be disposed of appropriately.

Special protective equipment for fire-fighting

Breathing apparatus with an independent source of air may be required.

Other information

Cool endangered containers with water in case of fire.

6. Accidental release measures

Personal precautions

Provide for good ventilation. Do not breathe vapours. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up

Remove by liquid absorbing material and process according to waste regulations.
Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Advice on safe handling

Avoid vapour concentration higher than the workplace exposure limits. Do not leave containers open. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. When using do not eat, drink or smoke. Comply with the health and safety at work laws.

Advice on protection against fire and explosion

Material supports the burning only after evaporation of the watery content.

Storage

Requirements for storage rooms and vessels

Store in cool but frostfree conditions in frostfree containers. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent

leakage.

Hints on storage assembly

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Always keep in containers of same material as the original one.

8. Expose controls/personal protection

Exposure limit values

N-METHYL-2-PYRROLIDONE

WEL (EH40/2005)				
Value	25	ml/m ³	103	mg/m ³
STEL	75	ml/m ³	309	mg/m ³
Skin resorption / sensibilisation	Sk			

2-(2-BUTOXETHOXY)ETHANOL

2000/39/EC				
Value	10	ml/m ³	67,5	mg/m ³
STEL	15	ml/m ³	101,2	mg/m ³

PROPANE-1,2-DIOL

WEL (EH40/2005) total vapour and particulates				
Value	150	ml/m ³	474	mg/m ³

(2--METHOXYMETHYLETHOXY)PROPANOL

2000/39/EC				
Value	50	ml/m ³	308	mg/m ³
Skin resorption / sensibilisation	skin			
WEL (EH40/2005)				
Value	50	ml/m ³	308	mg/m ³
Skin resorption / sensibilisation	Sk			

Exposure 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.

Occupational exposure controls

Respiratory protection

Breathing protection equipment required in inadequately ventilated places and during spraying.

Respiratory filter (gas) : A
 Respiratory filter (part): P2

Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374.

Recommendation for protection against components normally found in the products:

For short-term contact (e.g. spray protection) as well as for long-term contact (e.g. cleaning purposes):

Suitable material: LLDPE
 Material thickness: 0.06 mm
 Penetration time: >480 min.

Protective gloves must always be tested and confirmed with regard to suitability to each specific working environment (e.g. mechanical resistance, product compatibility, antistatic).

Follow the instructions and information from the glove manufacturer in reference to use, storage, care, and frequency of glove exchange.

Protective gloves should be immediately replaced upon being damaged or when showing first signs of wear. Preventive skin protection (skin protective cream) is recommended. Contaminated skin areas should immediately be washed (follow data sheet for skin protection M 042).

Working procedures are to be so arranged that the permanent wearing of gloves will not be necessary.

We recommend to set up a hand protection plan, which is adapted to the needs of the local business.

Eye protection

Use safety glasses.

Skin protection

All parts of the body should be washed after contact. Use re-greasing skin cream.

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed.

9. Physical and chemical properties

General information

Form	liquid
Colour	milky
Odour	characteristic

Important health, safety and environmental information

Changes in physical state

Type	Starts to boil
Value	100 °C
Reference substance	(water)

Flash point

Value	not applicable
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Ignition temperature

Value	not applicable
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Explosion limits

Remarks	not applicable
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Vapour pressure

Value 23 hPa
Reference temperature 20 °C
Reference substance (water)

Density

Value 1,03 g/cm³
Reference temperature 20 °C

Solubility in water

Remarks mixable

pH value

Value 9 - 10
Reference temperature 20 °C

Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

10. Stability and reactivity

Conditions to avoid

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

Materials to avoid

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

Hazardous decomposition products

When exposed to high temperatures, dangerous decomposition products such as carbon dioxide, carbon monoxide, soot and nitrogen oxides can be produced.

11. Toxicological information

Experience in practice

Exposure to component solvents vapours concentration in excess of the stated workplace exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

May cause sensitization by skin contact.

Splashes in the eyes may cause mild irritation and cause the eyelids to stick together.

If swallowed, stomach complaints and irritation of the digestive organs may result.

Ingredient N-methyl-2-pyrrolidone may cause harm to the unborn child.

Other information

There are no data available on the preparation itself.

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EEC).

12. Ecological information

General information / ecology

There are no data available on the preparation itself. Do not empty into waters or drains

13. Disposal considerations

Product

EWC waste code 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances
Dispose of or incinerate in accordance with corresponding regulations.

Uncontaminated packaging

Dispose of only completely emptied containers!
Code of waste pursuant to European Council Directive on waste: 150102 (Waste of packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified - packaging (including separately collected municipal packaging waste) - plastic packaging).

14. Transport information

Land transport ADR/RID

Remarks non-dangerous goods

Marine transport IMDG/GGVSee

Remarks The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

Remarks The product does not constitute a hazardous substance in air transport.

15. Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC directives

Hazard symbols

Xi Irritant

Hazardous component(s) to be indicated on label

(METHYLPHENYL)-W-HYDROXY-POLY(OXY(METHYL-1,2-ETHANEDIYL))

R phrases

43 May cause sensitisation by skin contact
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

28.2 After contact with skin, wash immediately with plenty of water and soap.
29 Do not empty into drains.
37/39 Wear suitable gloves and eye/face protection

16. Other information

Other information

According to their chemical structure, the applied raw materials do not contain any antimony, arsenic, soluble barium, lead, cadmium, chromium, mercury and selenium.

METHYLPHENYL)-W-HYDROXY-POLY(OXY(METHYL-1,2-ETHANEDIYL))

43 May cause sensitisation by skin contact

N-METHYL-2-PYRROLIDONE

36/38 Irritating to eyes and skin

2-(2-BUTOXYETHOXY)ETHANOL

36 Irritating to eyes

POLYPROPYLENGLYKOL

22 Harmful if swallowed

MIXTURE OF ALPHA-3-(3-(2H-BENZOTRIAZOL-YL)-5-TERT-4-HYDROXYPHENYL)PROPIONYL-OMEGA-HYDROXYPOLY(OXYETHYLENE) AND ALPHA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-4-HYDROXYPHENYL)PROPIONYLOXYPOLY(OXYETHYLENE)

43 May cause sensitization by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE

43 May cause sensitization by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE

43 May cause sensitization by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other information

The instructions are based on today's information and knowledge. The safety data sheet describes products in relation to safety requirements. These instructions do not assure application technological properties of the product.

Disclaimer

The user's attention is drawn to the risks brought upon by the misuse of the product. This data sheet does not exempt the user from knowing and applying the regulations to their activity. It is their own responsibility to take precautions according to their use of the product.

For industrial use only. Keep this and all chemicals out of the reach of children.

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FTC (UK) Ltd urges the customer receiving this material safety data sheet to study it carefully to become aware of hazards, if any, of the products involved. In the interest of safety, you should 1). Notify your employees, agents and contractors of the information on this sheet, 2). Furnish a copy to each of your customers for this product, and 3). Request your customers to inform their employees, customers and agents as well.