

HEALTH & SAFETY DATA / MSDS easy-on™ Coating – Resin

1. Identification

Product name easy-on™ Durability coating (Resin component) :
Supplier Urban Hygiene Ltd, Sky Business Park, Robin Hood Airport, Doncaster, DN9 3GA
Telephone 01302 623193
Fax: 01302 623167
Emergency phone : 07984 909160

2. Composition

Chemical name	CAS no.	%	Classification	R Phrase
Silicone resin		60-100	Xn;	R22
Hydrogenated Epoxy Resin	30583-72-3	10-30	N;	R43 R51/53
Hydroxyphenyl-benzotriazole derivatives		1-5	Xn;	R48/22 R43 R51/53

See Section 16 for full text of R Phrases above. Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments. The preparation may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.

Physical/chemical Hazards : Not applicable
Human health hazards : Harmful if swallowed. May cause sensitization by skin contact
Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-Aid measures

Ingestion If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

Eyes Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Skin contact Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

First-Aid measures Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Extinguishing Media : Recommended: alcohol resistant foam, CO2, powders, water spray. Not to be used : water jet.

Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

Spill Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulation (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Storage Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. Store in accordance with local regulations. Observe label precautions. Store in a cool, well ventilated area away from incompatible materials and ignition sources. Keep away from: OXIDIZING AGENTS, strong alkalis, strong acids. No smoking. Prevent unauthorised access. Containers must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.

Handling Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty : container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits

8. Exposure controls/personal protection

Engineering measures 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.

Respiratory system If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Skin and body Personal protective equipment Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Hands For prolonged or repeated handling, use gloves: nitrile. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eyes Use safety eyewear designed to protect against splash of liquids.

Ingredient Name Occupational Exposure Limits

Silicone resin Not available.

Hydrogenated Epoxy Resin Not available.

Hydroxyphenyl-benzotriazole derivatives Not available.

Environmental exposure control Do not allow to enter drains or watercourses.

9. Physical and chemical properties

Physical state Liquid
Vapour density >1 (Air = 1)
Solubility Insoluble in cold water, hot water.
Colour Clear
Flash point Closed cup: 97°C (206.6°F).
Explosion Limits (Setflash.) LOWER: 2.3% UPPER: 13.7%
Specific gravity 1.138 g/cm³ (25°C / 77°F) :

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7). Hazardous Decomposition Products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. Keep away from the following materials in order to avoid strong exothermic reactions: OXIDIZING AGENTS, strong alkalis, strong acids.

11. Toxicological information

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details. See Chapters 2 and 15 for details. Repeated or prolonged contact with the preparation may cause 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. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. It contains low molecular epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possible with cross-sensitisation to other epoxies. Skin contact with the preparation and exposure to spray mist and vapour should be avoided.

12. Ecological information

There are no data available on the preparation itself. Do not allow to enter drains or watercourses. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

13. Disposal considerations

Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations.

14. Transport information

Epoxy compound ADR/RID Class 8

15. Regulatory information



Indication of Danger : Harmful

Safety Phrases S23 - Do not breathe gas/fumes/vapour/spray.
S24 - Avoid contact with skin.
S37 - Wear suitable gloves.
S51 - Use only in well-ventilated areas.

Risk Phrases R22 - Harmful if swallowed.
R43 - May cause sensitization by skin contact.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains: epoxy constituents.: Harmful Hydrogenated Epoxy Resin
Silicone resin
Hydroxyphenyl-benzotriazole derivatives

See information supplied by the manufacturer. This information is provided by the present Safety Data Sheet. The product is labelled in accordance with local regulations

16. Other information

Date of issue 05/06/2006.

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS 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.

HEALTH & SAFETY DATA / MSDS easy-onTM Coating – Cure

1. Identification

Product name easy-on durability coating (Cure component) :
Supplier Urban Hygiene Ltd, Sky Business Park, Robin Hood Airport, Doncaster, DN9 3GA
Telephone 01302 623193
Fax: 01302 623167
Emergency phone : 07984 909160

2. Composition

Chemical name	CAS no.	%	Classification	R Phrase
3-Aminopropyltriethoxysilane	919-03-2	60-100	Xn;C	R22, R34
Organosilane Ester		10-30	Xi;	R36/38
Organotin		5-30	Xn;	R22

See Section 16 for full text of R Phrases above. Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments. The preparation may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.

Physical/chemical Hazards : Corrosive

Human health hazards : Harmful if swallowed. May cause sensitization by skin contact

Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-Aid measures

Ingestion If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. **Do not induce vomiting.**

Eyes Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention

Skin contact Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

First-Aid measures Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Extinguishing Media : Recommended: water spray, fog or foam
Not to be used : water jet.

Recommendations : Fire will produce dense black smoke and may release hazardous gasses. Fire fighters should wear positive pressure self contained breathing apparatus. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

Spill Flammable liquid. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulation (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Storage Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. Store in accordance with local regulations. Observe label precautions. Store in a cool, well ventilated area away from incompatible materials and ignition sources. Keep away from: OXIDIZING AGENTS, strong alkalis, strong acids. No smoking. Prevent unauthorised access. Containers must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.

Handling Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty : container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits

8. Exposure controls/personal protection

Engineering measures 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.

Respiratory system If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

When product is sprayed use OEL's respirable particles 5mg/m³. Total inhalable particulates 10mg/m³

9. Physical and chemical properties

Vapour density >1 (Air = 1) :
Solubility Liquid. Insoluble in cold water, hot water.
Flash point Closed cup: 96°C (204.8°F).
Explosion Limits (Setaflash.) LOWER: 3.5% UPPER: 19%:
Specific gravity 0.981 g/cm³ (25°C / 77°F) :

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).
Hazardous Decomposition Products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. Keep away from the following materials in order to avoid strong exothermic reactions: OXIDIZING AGENTS, strong alkalis, strong acids.

11. Toxicological information

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details. See Chapters 2 and 15 for details. Repeated or prolonged contact with the preparation may cause 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.

12. Ecological information

There are no data available on the preparation itself. Do not allow to enter drains or watercourses. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

13. Disposal considerations

Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations.

14. Transport information

Corrosive liquid, N.O.S. (Siloxane compound)
ADR/RID Class 8
Road/Railway UN number 1760
Packing group III
Hazard identification number 80

15. Regulatory information



Corrosive

Indication of Danger

Safety Phrases	S23 - S26 -	Do not breathe gas/fumes/vapour/spray. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39 -	Wear suitable protective clothing, gloves and eye/face protection.
	S45 -	In case of accident or feeling unwell, seek medical advice immediately (show the label where Possible).
Risk Phrases	S51 - R22 - R34 -	Use only in well-ventilated areas. Harmful if swallowed. Causes burns

The product is labelled in accordance with local regulations:
Corrosive 3-Aminopropyltriethoxysilane

16. Other information

Date of issue 05/06/2006.

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS 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.