

SAFETY DATA SHEET

Quantum 10:1 Hardener (104176)

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

Product name and/or code : Quantum 10:1 Hardener (104176)
Manufacturer : Evercoat
 a Division of Illinois Tool Works Inc.
 6600 Cornell Road
 Cincinnati, Ohio USA
 Phone: 1-513-489-7600

e-mail address of person responsible for this SDS : marketing@evercoat.com

Emergency telephone number (with hours of operation) : CHEMTEL, INC 1-800-255-3924

Product use : Quantum 10:1 Hardener - Polymerization Initiator

2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : O; R7
 Xi; R36
 R43

Physical/chemical hazards : May cause fire.

Human health hazards : Irritating to eyes. May cause sensitisation by skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name	CAS number	%	EC number	Classification
dibenzoyl peroxide	94-36-0	12.5 - 25	202-327-6	E; R2 Xi; R36 R43
See section 16 for the full text of the R-phrases declared above				

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in section 8.

4. FIRST AID MEASURES

First-aid measures

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

Inhalation : 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.

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4. FIRST AID MEASURES

- 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.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Call a physician.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂, powders, water spray or mist.
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

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing dust. Wear appropriate respiratory protection. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Preferably clean with a detergent. Avoid using solvents. Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. HANDLING AND STORAGE

- Handling** : Avoid contact with skin and eyes. Keep away from sources of ignition. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Comply with the health and safety at work laws. Keep only in the original container. Use suitable protective equipment (section 8).
- Storage** : 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 heat and direct sunlight.
- Keep away from: oxidising agents, strong alkalis, strong acids.
No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not empty into drains.

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. Self-contained respiratory equipment must be worn by spray operator, even when good ventilation is provided. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name

dibenzoyl peroxide

Occupational exposure limits

ACGIH TLV (United States, 1/2006). Notes: 1996 Adoption
Refers to Appendix A -- Carcinogens.
TWA: 5 mg/m³ 8 hour(s).

Personal protective equipment

- Respiratory system** : In situations where misting or flying may occur, use appropriate certified respirators.
Skin and body : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

Hands

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

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

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
Colour : Blue.
Flash point : Open cup: Not applicable.
Relative density : 0.87
Solubility : Partially soluble in the following materials: cold water and hot water.

10. STABILITY AND REACTIVITY

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

Hazardous decomposition products: smoke, carbon monoxide, carbon dioxide, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
dibenzoyl peroxide	LD50 Intraperitoneal	Rat	372.8 mg/kg	-
	LD50 Oral	Rat	6400 mg/kg	-
	LD50 Oral	Rat	7710 mg/kg	-

- Conclusion/Summary** : Not available.

Chronic toxicity

- Conclusion/Summary** : Not available.

Carcinogenicity

- Conclusion/Summary** : Not available.

Mutagenicity

- Conclusion/Summary** : Not available.

Teratogenicity

- Conclusion/Summary** : Not available.

Reproductive toxicity

- Conclusion/Summary** : Not available.

12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself.

This preparation contains materials which are unstable under the following conditions: The risks to the environment for the preparation itself are not available because of a lack of calculation methods.

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.

Aquatic ecotoxicity

Conclusion/Summary : Not available.

Biodegradability

Conclusion/Summary : Not available.

13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourses. Residues in empty containers should be neutralised with a decontaminant (see section 6).

Dispose of according to all federal, state and local applicable regulations.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

14. TRANSPORT INFORMATION

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Land - road/railway

Transport document name : -

Packing group : -

Sea

Proper shipping name : -

Special provisions : Not available.

Packing group : -

Marine pollutant : No.

Air

Proper shipping name : -

Special provisions : Not available.

Packing group : -

The "viscosity exemption" provisions do not apply to air transport.

Inland waterways

Proper shipping name : -

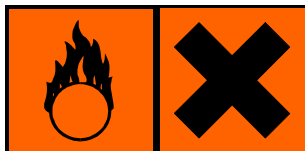
Packing group : -

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

15. REGULATORY INFORMATION

EU regulations : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol or symbols :



Oxidising, Irritant

Risk phrases : R7- May cause fire.

R36- Irritating to eyes.

R43- May cause sensitisation by skin contact.

Safety phrases : S7- Keep container tightly closed.

S14- Keep away from oxidising agents. Keep away from acids or bases.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

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15. REGULATORY INFORMATION

- Contains** : dibenzoyl peroxide
- Europe inventory** : **Europe inventory:** All components are listed or exempted.
- Industrial use** : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. OTHER INFORMATION

- CEPE Classification** : 6
- Full text of R-phrases referred to in sections 2 and 3 - Europe** : R2- Risk of explosion by shock, friction, fire or other sources of ignition.
R7- May cause fire.
R36- Irritating to eyes.
R43- May cause sensitisation by skin contact.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

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Version : 1.1

▣ Indicates information that has changed from previously issued version.

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.