



# SAFETY DATA SHEET

Safety Data Sheet according to Directive 2001/58/EC

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

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**Product name:** PRIMAL (TM) TR-407 Emulsion

**Product Use Description** Coatings product

**Supplier** Rohm and Haas  
Herald Way  
Coventry CV3 2RQ United Kingdom  
Telephone: +44 (0) 24-7665-4400  
E-mail address: SDS@rohmmaas.com

**Emergency telephone number**  
United Kingdom +44 (0)191-4898181

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## 2. HAZARDS IDENTIFICATION

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This product is not hazardous according to EEC Directives 67/548/EEC and 99/45/EC including amendments (2001/60/EC and 2006/8/EC)

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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This product is a preparation.  
This product does not contain any substances presenting a health or environmental hazard as defined by Directive 67/548/EEC nor any substances for which there are community workplace exposure limits in concentrations equal to or greater than those laid down in Directive 99/45/EC.

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## 4. FIRST AID MEASURES

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**Inhalation:** Move to fresh air.

**Skin contact:** Wash with water and soap as a precaution. If skin irritation persists, call a physician.

**Eye contact:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**Ingestion:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

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## 5. FIRE-FIGHTING MEASURES

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**Thermal decomposition** Thermal decomposition may yield acrylic monomers.

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:** Material can splatter above 100C/212F. Dried product can burn.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

### Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).  
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

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## 7. HANDLING AND STORAGE

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### Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

**Further information on storage conditions:** Keep from freezing - product stability may be affected.  
STIR WELL BEFORE USE.

### Storage

**Storage temperature:** 1 - 49 °C

**Other data:** Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required. This material contains trace levels of formaldehyde in the aqueous phase. The product will generate additional formaldehyde upon cure. Lack of adequate ventilation may result in airborne levels of formaldehyde above established exposure limits in the workplace. Monitoring the workplace to determine actual formaldehyde levels is recommended. See OSHA Formaldehyde Standard 29 CFR 1910.1048 for further information.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Exposure limit(s)

Exposure limits are listed below, if they exist.

### Exposure controls

**Eye protection:** Safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed.

**Hand protection:** The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves

**Respiratory protection:** Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, 89/686/EEC ), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical state</b>	liquid
<b>Colour</b>	white milky
<b>Odour</b>	acrylic
<b>pH</b>	2,1 - 3,0
<b>Boiling point/range</b>	100 °C Water
<b>Melting point/range</b>	0 °C Water
<b>Flash point</b>	Noncombustible
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Vapour pressure</b>	2.266,4808 Pa at 20 °C Water
<b>Relative vapour density</b>	<1,0Water
<b>Water solubility</b>	Dilutable
<b>Relative density</b>	1,00 - 1,20
<b>Evaporation rate</b>	<1,00 Water
<b>Percent volatility</b>	54 - 56 % Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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<b>Hazardous reactions</b>	None known. Stable
<b>Materials to avoid</b>	There are no known materials which are incompatible with this product.
<b>polymerization</b>	Product will not undergo polymerization.

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## 11. TOXICOLOGICAL INFORMATION

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No data are available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity</b>	LD50 rat > 5.000 mg/kg
<b>Acute dermal toxicity</b>	LD50 rabbit > 5.000 mg/kg
<b>Skin irritation</b>	rabbit May cause transient irritation.
<b>Eye irritation</b>	rabbit No eye irritation

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## 12. ECOLOGICAL INFORMATION

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The Environmental Toxicity data are for a compositionally similar material.

### Elimination information (persistence and degradability)

#### Biodegradability

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Inherent Biodegradability (OECD 302 B):

This type of product is not biodegradable but readily bioeliminable.

Emulsion polymer biodegradation is generally considered limited and dependant on polymer size and origin of treatment sludge. However, most of these polymers readily absorb onto water treatment sludge and therefore would be bioeliminable from effluents.

Activated Sludge Respiratory Inhibition (OECD 209): >100 mg/l (non-inhibiting)

#### Ecotoxicity effects

##### Toxicity to fish

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96 h  
>100 ppm

##### Toxicity to algae

Algae (*Selenastrum capricornutum*), 72 Hour EC50: > 100 ppm

##### Toxicity to bacteria

Microtox, 15 Minute EC50: >300 ppm

##### Toxicity to aquatic invertebrates

EC50 *Daphnia magna* 48 h  
>100 ppm

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## 13. DISPOSAL CONSIDERATIONS

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**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### Disposal

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

**European Waste Catalogue (94/3 EC)** The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact waste disposal services

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## 14. TRANSPORT INFORMATION

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### Classification for ROAD and Rail transport (ADR/RID):

Not regulated (Not dangerous for transport)

### Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

### Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

*Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations*

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## 15. REGULATORY INFORMATION

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### Label

Classification and labeling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments (2001/60/EC and 2006/8/EC).

### Hazard symbol and Indication of danger

This product is not hazardous according to EEC Directives 67/548/EEC and 99/45/EC including amendments (2001/60/EC and 2006/8/EC)

**EU. EINECS (EINECS)** This product satisfies all the requirements of the European Inventory of Existing Chemical Substances (EINECS).

**US. Toxic Substances Control Act (TSCA)** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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## 16. OTHER INFORMATION

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### Emergency telephone number

European Region	+33 (0) 140025045
United States of America	+1-215-592-3000

### Legend

ACGIH	American Conference of Governmental Industrial Hygienists
BAC	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
	Bar denotes a revision from prior MSDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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