



# SAFETY DATA SHEET

Safety Data Sheet  
according to Directive 2001/58/EC

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name:** PRIMAL (TM) ECO-821

**Product description:** Acrylic emulsion

[Product use description](#)

**Product Use Description:** Coatings product

[Supplier Name & Address](#)

**Supplier**

Rohm and Haas Company  
Lennig House 2, Mason Avenue  
Croydon CR9 3NB United Kingdom  
Telephone: +44 (0)208 774 5300

[Manufacturer Name & Address – Canada only](#)

[Telephone](#)

[Emergency Telephone](#)

**Emergency telephone number**

United Kingdom

+44 (0)191 4898181

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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[SECTION 2. Composition / information on components](#)

[Canadian composition](#)

[EU Composition](#)

This product is a preparation.

Component	CAS-No.	EINECS-No.	Wt % W/W	Classification
Alcohols, C12-14- secondary, ethoxylated	84133-50-6		1,0 - 3,0 %	Xi R36

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## 3. HAZARDS IDENTIFICATION

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[Section 3 Hazards Identification](#)

This product is not hazardous according to EEC Directives 67/548/EEC and 99/45/EC.

[Environmental effects](#)

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## 4. FIRST AID MEASURES

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### Section 4 First Aid Measures

#### Inhalation

**Inhalation:** Move to fresh air.

#### Skin contact

**Skin contact:** Wash off with soap and water. If symptoms persist, call a physician.

#### Eye contact

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

#### Ingestion

**Ingestion:** Drink 1 or 2 glasses of water. Consult a physician. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

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## 5. FIRE-FIGHTING MEASURES

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### Section 5 Fire Fighting Measures

#### Flash Point

Minimum ignition energy of dust cloud – indicate cloud vs layer

Thermal Decomposition

Suitable extinguishing media

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

Unsuitable extinguishing media

Specific hazards during fire fighting

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

Special protective equipment for fire fighters

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

Further information

Other fire safety data

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## 6. ACCIDENTAL RELEASE MEASURES

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### Section 6 Accidental Release Measures

#### Personal precautions

##### Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

#### Environmental precautions

##### Environmental precautions

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

[Methods for cleaning up](#)

### 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.

[Additional advice](#)

Possibly add reference to Sec 15

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## 7. HANDLING AND STORAGE

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[Section 7 Handling and Storage](#)

### Handling

[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](#)

[Advice on protection against fire and explosion](#)

[Storage](#)

### Storage

[Storage period](#)

[Storage temperature](#)

**Storage temperature:** 1 - 49 °C (34 - 120 °F)

[Other data](#)

**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

[Other handling and storage](#)

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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[Section 8 Exposure Controls/Personal Protection](#)

[Exposure guidelines](#)

### Exposure limit(s)

Exposure limits are listed below, if they exist.

### Exposure controls

[Eye Protection](#)

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

[Hand Protection](#)

**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

[Skin & Body Protection](#)

[Respiratory Protection](#)

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions.

[Hygienic Practices](#)  
[General Protective Measures](#)

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

[Engineering Controls](#)

**Engineering measures:** Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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[Appearance](#)

**Physical state** liquid

[Color](#)

**Colour** Milky white

[Odor](#)

**Odour** acrylic

[pH](#)

**pH** 2,1 - 4,0

[Boiling Point](#)

**Boiling point/range** 100 °C Water

[Freezing Point](#)

**Melting point/range** 0 °C Water

[Flash Point](#)

**Flash point** Noncombustible

[Auto Ignition Temperature](#)

[Lower Explosive Limit - Dust](#)

[Upper Explosive Limit - Dust](#)

[Lower Explosive Limit](#)

**Lower explosion limit** not applicable

[Upper Explosive Limit](#)

**Upper explosion limit** not applicable

[Vapor Pressure](#)

**Vapour pressure** 2.266,5 Pa at 20 °C water

[Relative Vapor Density](#)

**Relative vapour density** <1,0Water

[Solubility in Water](#)

**Water solubility** Dilutable

[Solubility \(quantitative\)](#)

[Solubility \(qualitative\)](#)

[Partitioning Coefficient](#)

[Relative density \(Specific Gravity\)](#)

**Relative density** 1,03

[Density](#)

[Bulk Density](#)

[Viscosity \(Dynamic\)](#)

<b>Viscosity, dynamic</b>	<400 mPa.s
Flow time	
Viscosity (Kinematic)	
Evaporation rate	
<b>Evaporation rate</b>	<1 Water
Surface Tension	
% Volatility	
<b>Percent volatility</b>	40 - 42 %
VOC	
General Remarks	
Disclaimer	

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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### Section 10 Stability and Reactivity

#### Hazardous reactions

**Hazardous reactions**      None known.  
Stable

#### Conditions to avoid

#### Materials to avoid (InCompatibility)

**Materials to avoid**      There are no known materials which are incompatible with this product.

#### Hazardous Decomp prods

**Hazardous decomposition products**      Thermal decomposition may yield acrylic monomers.,

#### Polymerization

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## 11. TOXICOLOGICAL INFORMATION

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### Section 11 Toxicological Information

#### Acute Oral Tox

#### Acute Inhalation tox

#### Acute Dermal tox

#### Acute tox other route

#### Skin irritation

**Skin irritation**      rabbit slight irritation

#### Eye irritation

**Eye irritation**      rabbit Moderate eye irritation

#### Sensitization

#### Respiratory system irritation

#### Chronic/sub-chronic tox

#### Carcinogenicity

#### Assessment Carcinogenicity

#### Toxicity to reproduction

#### Assessment Toxicity to Reproduction

#### Teratogenicity

#### Assessment Teratogenicity

#### Genetic Toxicity in-vitro

#### Genetic Toxicity in-Vivo

[Assessment Mutagenicity](#)  
[Epidemiology](#)  
[Further Information](#)

**Further information**

The toxicological data has been taken from products of similar composition.

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[Acute Oral Tox](#)

Component: **Alcohols, C12-14-secondary, ethoxylated**

**Acute oral toxicity** LD50 rat 8.270 mg/kg

Component: **Alcohols, C12-14-secondary, ethoxylated**

[Acute Dermal tox](#)

**Acute dermal toxicity** LD50 rabbit 8.270 mg/kg

[Acute tox other route](#)

[Skin irritation](#)

[Eye irritation](#)

[Sensitization](#)

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[Acute Oral Tox](#)

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## 12. ECOLOGICAL INFORMATION

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[Section 12 Ecological Information](#)

[Additional remarks](#)

There is no data available for this product.

[Ecotoxicity Effects](#)

[Chemical Fate Information](#)

[Additional remarks](#)

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## 13. DISPOSAL CONSIDERATIONS

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[Environmental precautions](#)

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

[Section 13 Disposal Considerations](#)

[Waste Classification](#)

**Disposal**

**Waste Classification:** When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

For disposal, incinerate this material at a facility that complies with local, state, and federal regulations.

[Contaminated packaging](#)

[EU waste code](#)

[Waste key for Austria](#)

[Waste key for Germany](#)

[Waste code for EU](#)

**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. If the material as delivered must be disposed of, or you require assistance with assigning the proper EWC code, please contact your local Rohm and Haas office

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## 14. TRANSPORT INFORMATION

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[US DOT Information](#)

[ADR\(EU Surface\)](#)

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

Not regulated (Not dangerous for transport)

[IMDG \(International Ocean\)](#)

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

Not regulated (Not dangerous for transport)

[IATA\(EU Air\)](#)

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

Not regulated (Not dangerous for transport)

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## 15. REGULATORY INFORMATION

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[Section 15 Regulatory Information](#)

[Workplace Classification](#)

[Canadian WHMIS Classification](#)

[EU Label Phrases](#)

**Label**

Classification and labeling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

**Hazard symbol and Indication of danger**

This product is not hazardous according to EEC Directives 67/548/EEC and 99/45/EC.

Safety data sheet available for professional user on request.

[Maladies Professional](#)

German WGK water pollution  
German TA Luft

German VbF

Swiss BAG T

Norway Product Registration

Denmark Product Registration

Swiss Poison Class

Inventories EU

**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.

National

Regional (States)

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## 16. OTHER INFORMATION

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EU Label Phrases

### List of relevant R-phrases

R36 Irritating to eyes.

Emergency telephone numbers

### Emergency telephone number

Belgium	+32 (0)3 5750330
Spain	+34 948 822700
France	+33 (0)3 88736000
Germany	+49 (0)421 64980
Netherlands	+31 (0)651 053078
Italy	+39 0363 320555
South Africa	+27 (0)31 7053260
Sweden	+46 (0)418 450490
United Kingdom	+44 (0)191 4898181
U.S.A.	+1 215 5923000

Legend

### 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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