

Revision 3



## SAFETY DATA SHEET CRYSTIC VE 679PA

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name                      CRYSTIC VE 679PA  
Product No.                        R50049

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses                      Resin.

#### 1.3. Details of the supplier of the safety data sheet

Supplier                              Scott Bader  
                                            Wollaston  
                                            Wellingborough  
                                            Northamptonshire. NN29 7RL  
                                            Tel: +44(0)1933 663100  
                                            Emergency (24 hours) +44(0)1933 663399  
                                            Fax: +44(0)1933 663693  
                                            E-mail: reach@scottbader.com

#### 1.4. Emergency telephone number

National Emergency Telephone Number  
+44(0)1933 663399

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H335; STOT RE 2 - H373
Environment	Aquatic Chronic 3 - H412

Classification (1999/45/EEC)      Xn; R20, R48/20. Xi; R36/37/38. R10, R52/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Environment

The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well.

#### 2.2. Label elements

Contains                              STYRENE

Label In Accordance With (EC) No. 1272/2008



Signal Word                         Warning

Hazard Statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

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	H373	May cause damage to organs through prolonged or repeated exposure.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements		
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P313	Get medical advice/attention.
Supplementary Precautionary Statements		
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof electrical equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P273	Avoid release to the environment.
	P260	Do not breathe vapour/spray.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P321	Specific treatment (see medical advice on this label).
	P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P314	Get medical advice/attention if you feel unwell.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P337	If eye irritation persists:
	P362	Take off contaminated clothing and wash before reuse.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.
	P403+235	Store in a well-ventilated place. Keep cool.
	P405	Store locked up.
	P501	Dispose of contents/container to ...
Supplemental label information		
	EUH208	Contains COBALT(II) 2-ETHYLHEXANOATE. May produce an allergic reaction.

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

COBALT(II) 2-ETHYLHEXANOATE		<0.3%
CAS-No.: 136-52-7	EC No.: 205-250-6	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Acute Tox. 4 - H302	Xn;R22.	
Skin Sens. 1 - H317	Repr. Cat. 3;R62.	
Repr. 2 - H361f	N;R50/53.	
Aquatic Acute 1 - H400	R43.	
Aquatic Chronic 1 - H410		

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N,N-DIMETHYLANILINE		<0.2%
CAS-No.: 121-69-7		EC No.: 204-493-5
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Carc. 2 - H351 Aquatic Chronic 2 - H411		Classification (67/548/EEC) Carc. Cat. 3;R40 T;R23/24/25 N;R51/53
Solvent Naphtha (Petroleum), Light Aromatic (< 0,1% Benzene)		<0.2%
CAS-No.: 64742-95-6		EC No.: 265-199-0
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.
STYRENE		40-45%
CAS-No.: 100-42-5		EC No.: 202-851-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304		Classification (67/548/EEC) Xn;R20,R48/20,R65. Xi;R36/37/38. R10.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### Composition Comments

Unsaturated polyester resin in reactive solvent.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

#### Inhalation

Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

#### Ingestion

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

#### Skin contact

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

#### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

### 4.2. Most important symptoms and effects, both acute and delayed

### 4.3. Indication of any immediate medical attention and special treatment needed

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**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

Extinguishing media

Foam. Dry chemicals, sand, dolomite etc. Use fire-extinguishing media appropriate for surrounding materials.

**5.2. Special hazards arising from the substance or mixture**

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

Keep up-wind to avoid fumes. Use water SPRAY only to cool containers! Do not put water on leaked material.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

**6.3. Methods and material for containment and cleaning up**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

**6.4. Reference to other sections****SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

**7.2. Conditions for safe storage, including any incompatibilities**

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

Storage Class

Flammable liquid storage.

**7.3. Specific end use(s)****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
STYRENE	WEL	100 ppm	430 mg/m <sup>3</sup>	250 ppm	1080 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

**STYRENE (CAS: 100-42-5)**

Ingredient Comments

WEL = Workplace Exposure Limits

**8.2. Exposure controls**

Protective equipment

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**Process conditions**

Provide eyewash station.

**Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

**Respiratory equipment**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

**Hand protection**

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

**Eye protection**

Wear splash-proof eye goggles to prevent any possibility of eye contact.

**Other Protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### **9.1. Information on basic physical and chemical properties**

Appearance	Viscous liquid.
Colour	Varying.
Odour	Solvent.
Solubility	Insoluble in water
Initial boiling point and boiling range (°C)	50-150
Relative density	1.10 - 1.20 25°C
Flash point (°C)	32 CC (Closed cup).

### **9.2. Other information**

## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous Polymerisation  
May polymerise.

### **10.4. Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight.

### **10.5. Incompatible materials**

Materials To Avoid  
Alkali metals. Strong oxidising substances. Strong acids. Strong alkalis. Organic peroxides/hydroperoxides. Inorganic peroxides.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

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**11.1. Information on toxicological effects**

## General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

## Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Gas or vapour is harmful on prolonged exposure or in high concentrations.

## Ingestion

Gastrointestinal symptoms, including upset stomach.

## Skin contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin. May be absorbed through the skin.

## Eye contact

Irritation of eyes and mucous membranes.

**SECTION 12: ECOLOGICAL INFORMATION**

## Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

**12.1. Toxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

## Bioaccumulative potential

No data available.

**12.4. Mobility in soil**

## Mobility:

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

## General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

UN No. (ADR/RID/ADN)	1866
UN No. (IMDG)	1866
UN No. (ICAO)	1866

**14.2. UN proper shipping name**

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Proper Shipping Name                      RESIN SOLUTION

**14.3. Transport hazard class(es)**

ADR/RID/ADN Class                      3  
 ADR/RID/ADN Class                      Class 3: Flammable liquids.  
 ADR Label No.                              3  
 IMDG Class                                  3  
 ICAO Class/Division                      3  
 Transport Labels

**14.4. Packing group**

ADR/RID/ADN Packing group              III  
 IMDG Packing group                        III  
 ICAO Packing group                        III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
 No.

**14.6. Special precautions for user**

EMS                                              F-E, S-E  
 Emergency Action Code                    •3Y  
 Hazard No. (ADR)                          30  
 Tunnel Restriction Code                    (D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**


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**SECTION 15: REGULATORY INFORMATION**


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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical Safety Assessment**


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**SECTION 16: OTHER INFORMATION**


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## Risk Phrases In Full

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R62	Possible risk of impaired fertility.
R66	Repeated exposure may cause skin dryness or cracking.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

## Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.