

## SAFETY DATA SHEET

### RXS-22A Catalyst

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME                      RXS-22A Catalyst

PRODUCT NO.                        RXS22A

SUPPLIER                            Wessex Resins & Adhesives Limited  
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#### 2 HAZARDS IDENTIFICATION

Highly flammable. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Irritating to eyes, respiratory system and skin.

CLASSIFICATION                      Carc 3;R40. Xi;R36/37/38. R43. F;R11.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PARAFORMALDEHYDE		30525-89-4	60-100%	Carc 3;R40. Xi;R36/37/38. R43.
Kaolin		1332-58-7	10-30%	-
FORMALDEHYDE ...%	200-001-8	50-00-0	< 1	Carc3;R40 T;R23/24/25 C;R34 R43

The Full Text for all R-Phrases are Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

##### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

##### SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

##### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. Foam. DO NOT use water if avoidable.

##### SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk. Water spray should be used to cool containers. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

High concentrations of dust may form explosive mixture with air.

##### SPECIFIC HAZARDS

In case of fire, toxic gases may be formed. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Formaldehyde.

##### PROTECTIVE MEASURES IN FIRE

Use protective equipment appropriate for surrounding materials. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

#### 6 ACCIDENTAL RELEASE MEASURES

## RXS-22A Catalyst

### PERSONAL PRECAUTIONS

In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Avoid inhalation of vapours and contact with skin and eyes. Avoid inhalation of dust and vapours. Wear protective clothing as described in Section 8 of this safety data sheet.

### ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities. Avoid spreading dust or contaminated materials.

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Stop leak if possible without risk. Remove sources of ignition. Avoid generation and spreading of dust. Runoff or release to sewer, waterway or ground is forbidden. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Mechanical ventilation or local exhaust ventilation is required. Observe workplace exposure limits and minimise the risk of inhalation of dust. Do not eat, drink or smoke when using the product. Avoid contact with skin and eyes. Avoid handling which leads to dust formation. Take precautionary measures against static discharges when there is a risk of dust explosion.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Protect from light, including direct sunrays. Store separated from: Acids. Alkalies. Oxidising material.

### STORAGE CLASS

Chemical storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
FORMALDEHYDE ...%	WEL	2 ppm	2.5 mg/m <sup>3</sup>	2 ppm	2.5 mg/m <sup>3</sup>	
Kaolin	WEL		2 mg/m <sup>3</sup> resp.dust			

WEL = Workplace Exposure Limit.

### PROTECTIVE EQUIPMENT



### PROCESS CONDITIONS

Provide eyewash station.

### ENGINEERING MEASURES

Explosion-proof general and local exhaust ventilation. Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.

### RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

### HAND PROTECTION

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

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

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

### SKIN PROTECTION

Wear apron or protective clothing in case of contact.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**RXS-22A Catalyst**

APPEARANCE	Powder, dust		
COLOUR	White / off-white		
ODOUR	Formaldehyde.		
SOLUBILITY	Slightly soluble in water.		
RELATIVE DENSITY	0.51 20	FLASH POINT (°C)	Not Available N/A.

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition.

**MATERIALS TO AVOID**

Strong acids. Strong alkalis. Strong oxidising substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

In case of fire, toxic gases may be formed. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Formaldehyde.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Irritating to respiratory system. Dust may irritate throat and respiratory system and cause coughing.

**INGESTION**

May cause discomfort if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**SKIN CONTACT**

Irritating to skin. May cause sensitisation by skin contact.

**EYE CONTACT**

Irritating to eyes.

**ROUTE OF ENTRY**

Inhalation. Skin and/or eye contact. Ingestion.

**TARGET ORGANS**

Respiratory system, lungs. Skin. Eyes. Gastro-intestinal tract.

**MEDICAL SYMPTOMS**

Upper respiratory irritation. General respiratory distress, unproductive cough. Skin irritation. Eye contact may cause: Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause discomfort if swallowed.

**MEDICAL CONSIDERATIONS**

Skin disorders and allergies. Persons with rash are directed to skin expert for examination of allergic eczema. Splash in eye requires examination by eye specialist.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**BIOACCUMULATION**

No data available on bioaccumulation.

**DEGRADABILITY**

No data available.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

**RXS-22A Catalyst**



UK ROAD CLASS	4.1		
PROPER SHIPPING NAME	FLAMMABLE SOLID, ORGANIC, N.O.S. (CONTAINS PARAFORMALDEHYDE)		
UN NO. ROAD	1325	UK ROAD PACK GR.	III
ADR CLASS NO.	4.1	ADR CLASS	Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives.
ADR PACK GROUP	III	HAZARD No. (ADR)	40
ADR LABEL NO.	4.1	HAZCHEM CODE	1Z
CEFIC TEC(R) NO.	41GF1-II+III	RID CLASS NO.	4.1
RID PACK GROUP	III	UN NO. SEA	1325
IMDG CLASS	4.1	IMDG PAGE NO.	4.1
IMDG PACK GR.	III	EMS	F-A, S-G
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1325	AIR CLASS	4.1
AIR PACK GR.	III		

**15 REGULATORY INFORMATION**

**LABELLING**



Harmful



Highly Flammable

**CONTAINS**

PARAFORMALDEHYDE  
FORMALDEHYDE 0.3%

**RISK PHRASES**

R11	Highly flammable.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R36/37/38	Irritating to eyes, respiratory system and skin.

**SAFETY PHRASES**

S24/25	Avoid contact with skin and eyes.
S26	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.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

**UK REGULATORY REFERENCES**

Health and Safety at Work Act 1974.

**EU DIRECTIVES**

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Substance Directive 67/548/EEC. 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.

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (SI 1689)

## RXS-22A Catalyst

APPROVED CODE OF PRACTICE

Control of Substances Hazardous to Health Regulations 2002.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

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### 16 OTHER INFORMATION

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REVISION DATE 28.01.09

SDS NO. 10358

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

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.

#### 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.