

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)

Printed 19.01.2021
Revision 01.01.2021



Behind every smile

Arrow Gel red

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Name of product Arrow Gel red

Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)
light curing resin

Details of the supplier of the safety data sheet

Manufacturer/distributor WHW Plastics Ltd.
Therm Rd, HULL, England
Phone +44 1482 329154, Fax +44 1482 217140
E-mail : sales@whwplastics.com

Advice F&E
Fax +44 1482 217140

Emergency telephone number

Emergency advice

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC
no

Label elements
Labelling according to 67/548/EEC or 1999/45/EC
5-phrases 24/25 Avoid contact with skin and eyes.

Special rules for supplemental label elements for certain mixtures
Contains phosphine oxides. May produce an allergic reaction.

Other hazards

Information pertaining to special dangers for human and environment
no

SECTION 3: Composition/ information on ingredients

Mixtures

Description
preparation of acrylic resins, fillers and initiators

Hazardous ingredients

CAS No	EC No	Name	[% 67/548/EEC weight]	Classification according to 67/548/EEC weight]
		phosphine oxide	< 1	R43;R53

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SECTION 4: First aid measures

Description of first aid measures

In case of inhalation

Ensure of fresh air.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

Call for a doctor immediately.

In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

Most important symptoms and effects, both acute and delayed

Physician's information | possible symptoms

Allergic symptoms

Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

Extinguishing media which must not be used for safety reasons

Full water jet

Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, acid binder, general-purpose binder, sawdust). Disposal according to regulations .

Reference to other sections

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace .

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Store only in original container at temperature of 25°C maximum (=77°F).

Protect from light.

Specific end use(s)

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Respiratory protection

no

Hand protection

Gloves (solvent-resistant)

Eye protection

safety goggles

Skin protection

Light protective clothing.

Hygiene measures

Clean skin thoroughly after working.

Keep away from food and drink.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form

Gel-like

Colour

red

Odour

characteristic

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
Flash point	> 150 °C				

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	Value	Temperature	at	Method	Remark
Flammable solid	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Autoignition	not applicable				
Density	ca. 1,1 g/cm ³				
Solubility in water					more or less insoluble
Solubility/other					soluble in organic solvent
Partition coefficient (log p _{OW})					not determined
Viscosity dynamic	ca. 250 Pa*s				

Other information

SECTION 10: Stability and reactivity

Reactivity

Chemical stability

Possibility of hazardous reactions

Conditions to avoid

Reactions with strong oxidising agents.

Reactions with peroxides.

Reactions with light.

Risk of polymerisation.

Reactions with alkalies.

Incompatible materials

Hazardous decomposition products

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LOSO acute oral	> 2000 mg/kg	rat	OECD 401	Information concerns to main component.
Irritability skin	non-irritant	rabbit	OECD 404	
Irritability eye	non-irritant	rabbit eye	OECD 405	

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SECTION 12: Ecological information

Toxicity

Persistence and degradability

Bioaccumulative potential

Mobility in soil

Results of PBT and vPvB assessment

Other adverse effects

General regulation

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.
The information to ecology refers to main component.

SECTION 13: Disposal considerations

Waste treatment methods

Waste code No.

07 02 08*

Name of waste

other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Small quantities can be polymerized by light and the cured solid material can be disposed of with the regular garbage. Larger quantities must be disposed of following the regulations of the local authorities

Recommendations for packaging

Untampered packaging may be taken for recycling.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID , IMDG, ICAO/ IATA-DGR.

Special precautions for user

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture National regulations

Water hazard class

self-classification

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Chemical Safety Assessment

SECTION 16: Other information

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 43 May cause sensitisation by skin contact.

R 53 May cause long-term adverse effects in the aquatic environment.