

Resin 8051 Component B

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name Resin 8051 Component B
Product code 722620010
Trade Name 8051 B

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

Identified Use(s) Industrial/professional.
Uses Advised Against As from 24 August 2023, adequate training is required before industrial or professional use.

1.3 Details of the supplier of the safety data sheet

Company Identification Scott AM Limited
Address of Supplier Sutherland Works
Beaufort Road
Longton
Stoke on Trent
Staffordshire
United Kingdom
Postal code ST3 1RH
Telephone: +44 (0) 1782 367 625
Fax -
E-mail info@scott-am.com
Office hours 09:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No. +44 (0) 7908 872524
Contact Matthew Scott

National response centre
Address NHS Direct
Emergency Phone No. +44 111 / +44 999 / local emergency number

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP)
Skin Irrit. 2 :Causes skin irritation.
Skin Sens. 1 :May cause an allergic skin reaction.
Eye Irrit. 2 :Causes serious eye irritation.
Acute Tox. 4 :Harmful if inhaled.
Resp. Sens. 1 :May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT SE 3 :May cause respiratory irritation.
Carc. 2 :Suspected of causing cancer.
STOT RE 2 :May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name Resin 8051 Component B

Hazard Pictogram(s)



GHS08



GHS07

Resin 8051 Component B

Signal Word(s)	Danger
Hazard Statement(s)	<p>H315: Causes skin irritation.</p> <p>H317: May cause an allergic skin reaction.</p> <p>H319: Causes serious eye irritation.</p> <p>H332: Harmful if inhaled.</p> <p>H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335: May cause respiratory irritation.</p> <p>H351: Suspected of causing cancer.</p> <p>H373: May cause damage to organs through prolonged or repeated exposure.</p> <p>EUH204: Contains isocyanates. May produce an allergic reaction.</p>
Precautionary Statement(s)	<p>P260: Do not breathe mist/vapours/spray.</p> <p>P280: Wear protective gloves/eye protection.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P501: Dispose of contents in accordance with local, state or national legislation.</p>

2.3 Other hazards

As from 24 August 2023, adequate training is required before industrial or professional use.

Irritating to eyes, respiratory system and skin.

Not classified as PBT or vPvB. Endocrine disrupting properties: Not identified.

2.4 Additional Information

For full text of H/P Statements, see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%	Hazard Statement(s)	Hazard Pictogram(s)
4,4'-methylenediphenyl diisocyanatediphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0	30-60%	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332 Resp. Sens. 1 H334 STOT SE 3 H335 Carc. 2 H351 STOT RE 2 H373	GHS08 GHS07
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]	39420-98-9	932-388-0	10-30%	Skin Sens. 1 H317 Resp. Sens. 1 H334	GHS08 GHS07
4,4'-Methylenediphenyl diisocyanate, oligomers	25686-28-6	500-040-3	10-30%	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332	GHS08 GHS07

Resin 8051 Component B

				Resp. Sens. 1 H334 STOT SE 3 H335 Carc. 2 H351 STOT RE 2 H373	
methylenediphenyl diisocyanate	26447-40-5	247-714-0	1-10%	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332 Resp. Sens. 1 H334 STOT SE 3 H335 Carc. 2 H351 STOT RE 2 H373	GHS08 GHS07

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit		M-factor	ATE
4,4'-methylenediphenyl diisocyanatediphenylmethane-4,4'-diisocyanate	101-68-8	Skin Irrit. 2	C>= 5.00 <= 100.00		Acute Tox. 4 (H332) : 11.000
		Eye Irrit. 2	C>= 5.00 <= 100.00		
		Resp. Sens. 1	C>= 0.10 <= 100.00		
		STOT SE 3	C>= 5.00 <= 100.00		
4,4'-Methylenediphenyl diisocyanate, oligomers	25686-28-6	Skin Irrit. 2	C>= 5.00 <= 100.00		Acute Tox. 4 (H332) : 11.000
		Eye Irrit. 2	C>= 5.00 <= 100.00		
		Resp. Sens. 1	C>= 0.10 <= 100.00		
		STOT SE 3	C>= 5.00 <= 100.00		
methylenediphenyl diisocyanate	26447-40-5				Acute Tox. 4 (H332) : 11.000

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements, see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Apply artificial respiration if necessary (do not employ mouth-to-mouth method). Get immediate medical advice/attention.
Skin Contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water. Irrigate eyes thoroughly whilst lifting eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth with water (do not swallow). Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

Resin 8051 Component B**4.2 Most important symptoms and effects, both acute and delayed**

Irritating to eyes, respiratory system and skin. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause wheeziness. Coughing. May cause an allergic skin reaction. Redness. Watering of eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment and supportive therapy as indicated.

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

Suitable Extinguishing media Use water spray, foam, dry powder or CO₂ to extinguish.

Unsuitable extinguishing media Do not use water jet.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours. Decomposition products may include nitrogen oxides.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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

Provide adequate ventilation. Avoid breathing mist/vapours/spray. Avoid contact with skin and eyes. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 Reference to other sections

See Also: Section 8, 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

As from 24 August 2023, adequate training is required before industrial or professional use.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist/vapours/spray. Wash hands and exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection. [In case of inadequate ventilation] wear respiratory protection. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep away from direct sunlight.

Storage temperature Ambient.

Resin 8051 Component B

Storage life Stable under normal conditions.

Incompatible materials Avoid contact with water. Amines.

7.3 Specific end use(s)

Industrial/professional.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Isocyanates, all (as -NCO) Except methyl isocyanate	101-68-8		0.02		0.07	Sen

Region United Kingdom Source UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark Sen Notes Capable of causing occupational asthma.

Biological Exposure Indices						
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Isocyanates (applies to HDI, IPDI, TDI and MDI)	101-68-8	At the end of the period of exposure	urine	isocyanate-derived diamine	1 µmol isocyanate-derived diamine/mol creatinine	
Isocyanates (applies to HDI, IPDI, TDI and MDI)	25686-28-6	At the end of the period of exposure	urine	isocyanate-derived diamine	1 µmol isocyanate-derived diamine/mol creatinine	
Isocyanates (applies to HDI, IPDI, TDI and MDI)	26447-40-5	At the end of the period of exposure	urine	isocyanate-derived diamine	1 µmol isocyanate-derived diamine/mol creatinine	

Remark Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Gloves should be changed regularly to avoid permeation problems.



Respiratory protection

Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate. PF200: 200 x Protection Factor.

Resin 8051 Component B

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	Liquid.
Colour	Pale yellow
Odour	Slight
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	216°C
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water): Not known. Solubility (Other): Miscible with most organic solvents.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Relative density: 1.19
Relative vapour density	Not known.
Particle characteristics	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Stable under normal conditions. Reacts with active hydrogen compounds such as water, alcohol and amine and generates heat. If mixed with water, carbon dioxide is generated which may cause containers to rupture or explode. Contact with basic substances or organic metallic compounds, may generate heat due to polymerization.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials

Avoid contact with water. Alcohols. Amines.

10.6 Hazardous decomposition products

Combustion may cause toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity - Ingestion Calculation method : Not classified.

Resin 8051 Component B

Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Harmful if inhaled.
	Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 13.75
Skin corrosion/irritation	Calculation method : Causes skin irritation.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Calculation method : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Suspected of causing cancer.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : May cause respiratory irritation.
STOT - repeated exposure	Calculation method : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Calculation method : Not classified.

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

The polymer part of the product is eliminated only with difficulty.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Refer to manufacturer or supplier for information on recovery or recycling. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

Resin 8051 Component B

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

- 14.1 UN number or ID number** Not applicable.
- 14.2 UN proper shipping name** Not applicable.
- 14.3 Transport hazard class(es)** Not applicable.
- 14.4 Packing group** Not applicable.
- 14.5 Environmental hazards** Not classified as a Marine Pollutant.
- 14.6 Special precautions for user** Not known.
- 14.7 Maritime transport in bulk according to IMO instruments** Not known.

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles 4,4'-Methylenediphenyl diisocyanate (101-68-8), Methylenediphenyl diisocyanate (MDI) (26447-40-5), Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene] (39420-98-9), 4,4'-Methylenediphenyl diisocyanate, oligomers (25686-28-6)

Community Rolling Action Plan (CoRAP) 4,4'-methylenediphenyl diisocyanate (101-68-8)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

Resin 8051 Component B

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS08



GHS07

Hazard classification

Skin Irrit. 2 : Skin corrosion/irritation, Category 2
 Skin Sens. 1 : Skin sensitization, Category 1
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2
 Acute Tox. 4 : Acute toxicity, Category 4
 Resp. Sens. 1 : Respiratory sensitization, Category 1
 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3
 Carc. 2 : Carcinogenicity, Category 2
 STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Hazard Statement(s)

H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H332: Harmful if inhaled.
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335: May cause respiratory irritation.
 H351: Suspected of causing cancer.
 H373: May cause damage to organs through prolonged or repeated exposure.
 EUH204: Contains isocyanates. May produce an allergic reaction.

Precautionary Statement(s)

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P260: Do not breathe mist/vapours/spray.
 P261: Avoid breathing mist/vapours/spray.
 P264: Wash hands and exposed skin thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/eye protection.
 P284: [In case of inadequate ventilation] wear respiratory protection.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313: IF exposed or concerned: Get medical advice/attention.
 P312: Call a POISON CENTRE/doctor if you feel unwell.
 P314: Get medical advice/attention if you feel unwell.
 P321: Specific treatment (see Medical Advice on this label).
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.

Resin 8051 Component B

Acronyms

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
P362+P364: Take off contaminated clothing and wash it before reuse.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.
P502: Refer to manufacturer or supplier for information on recovery or recycling.

ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.