

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

1.1. Product identifier

Nano 470 IC80 Adhesive

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

For use as an adhesive/bonding compound

1.3. Details of the supplier of the safety data sheet

J&S Adhesives Ltd
Lancaster Court
Coldham Road Ind. Estate
Coningsby, Lincs
LN4 4SE
UK

Contact the Safety Officer:
Telephone: +44 (0) 1526 344100
Email: info@jandsadhesives.com

1.4. Emergency telephone number

For urgent medical help or advice, contact the NHS by calling 111.

For product-related advice, call +44 (0) 1526 344100 (0900-1700 Mon-Fri excl. Bank Holidays)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008:

Skin Irrit. 2; H315: Causes skin irritation

Eye Irrit. 2; H319: Causes serious eye irritation

Skin Sens. 1; H317: May cause an allergic skin reaction

Resp. Sens. 1; H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

STOT SE 3; H335: May cause respiratory irritation

Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects

2.2. Label elements

Label elements in accordance with Regulation (EC) No 1272/2008:

Hazard pictogram:

GHS08



Signal word:

Danger

Hazard statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects

Precautionary statements:

P102: Keep out of reach of children.

P260: Do not breathe fume/vapours/.

P280: Wear protective gloves/eye protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P501: Dispose of contents/container in accordance with local/national regulations.

2.3. Other hazards

This mixture does not meet the criteria for PBT or vPvB

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components:

Chemical Name	CAS Number	Annex Index	Classification in accordance with Regulation (EC) No 1272/2008	Concentration (%)
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate			Skin Irrit. 2; H315 Skin Sens. 1; H317 C ≥	20-30

			0,5% Eye Irrit. 2; H319 Acute Tox. 3; H331 Resp. Sens. 1; H334 C ≥ 0,5% STOT SE 3; H335 Aquatic Chronic 2; H411	
Isobornyl methacrylate	7534-94-3		Aquatic Chronic 3; H412	<10
Acrylic acid	79-10-7		Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Corr. 1A; H314 Aquatic Acute 1; H400 STOT SE 3; H335: C ≥ 1%	<3
2,2-dimethoxy-1,2-diphenylethan-1-one	24650-42-8		Acute Tox. 4; H302 STOT RE 2; H373 Aquatic Chronic 3; H412	<3

Please refer to section 16 for full text of hazard phrases if not displayed in section 2 or 3.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: May cause allergy symptoms or irritation of the respiratory tract. Remove from source of exposure to fresh air. Seek medical advice if symptoms persist or develop.

Skin contact: Rinse immediately with plenty of water. Wash contaminated clothing. Seek medical attention if symptoms persist or develop.

Eye contact: Irrigate with copious amounts of clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms persist or develop.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting unless instructed to do so by medical personnel. Do not give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

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

Product can cause irritation of the skin, eyes and respiratory tract.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

The mixture is not classified as flammable. Use extinguishing media suitable for surrounding materials, e.g. water; water spray; foam; carbon dioxide (CO₂); dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products include oxides of carbon, oxides of sulphur, oxides of nitrogen, irritating organic vapours.

5.3. Advice for firefighters

For large fires the local fire brigade must be called. In the event of fire, wear self-contained breathing apparatus and chemical protective suit. Cool containers with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent contact with skin and eyes. Wear protective goggles with side shields, protective gloves and protective clothing. Ensure adequate ventilation; wear a suitable respirator where necessary. Evacuate area/limit access to spill.

6.2. Environmental precautions

Do not allow product to enter watercourse. If product enters watercourse in large quantities, contact the Environment Agency immediately.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Maximise ventilation. Absorb spill in an inert material e.g. sand/dry earth. Mechanically remove to closed, labelled containers for disposal. Wash spill site thoroughly with soap and water. Dispose in accordance with pertinent national legislation.

6.4. Reference to other sections

See section 8 for personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent contact with skin and eyes. Wear protective gloves, eye protection and protective clothing. Avoid inhalation of vapours/mist. Ensure adequate ventilation; wear a suitable respirator where necessary. Wash hands thoroughly after handling. Do not eat, drink or smoke whilst using this product.

7.2. Conditions for safe storage, including any incompatibilities

For safe storage, store at or below 38°C. Keep in a cool, well ventilated area away from heat, sparks and open flame. Avoid direct sunlight. Keep container tightly closed until ready for use. Avoid contact with strong oxidizers, strong alkalis, strong acids, and other polymerization initiators.

7.3. Specific end use(s)

Read label before use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No workplace exposure limits have been set for this mixture.

8.2. Exposure controls

Engineering Measures: Ensure adequate ventilation; local exhaust ventilation recommended. Ensure eye wash stations are available.

Respiratory Equipment: In areas of concentration/confined spaces and in emergencies, self-contained breathing apparatus should be used.

Hand Protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves.

Eye Protection: Protective goggles/safety glasses with side shields.

Skin Protection: General purpose protective clothing/overalls.

Hygiene Measures: Wash hands thoroughly after handling. Do not eat, drink or smoke whilst using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Clear, colourless liquid

Odour: Characteristic

Odour threshold: Information not available

pH: Information not available

Melting point/freezing point: Information not available

Initial boiling point and boiling range: >149°C

Flash point: >93°C

Evaporation rate: Information not available

Flammability: Low

Upper/lower flammability or explosive limits: Information not available

Vapour pressure: Information not available
Vapour density: Information not available
Relative density: Information not available
Solubility: Soluble in organic solvent. Slightly soluble in water.
Partition coefficient: n-octanol/water: Information not available
Auto-ignition temperature: Information not available
Decomposition temperature: Information not available
Viscosity: Information not available
Explosive properties: Product not classified as explosive
Oxidising properties: Product not classified as oxidising
Specific gravity: 1.03

9.2. Other information

None specified.

SECTION 10: Stability and reactivity

10.1. Reactivity

Information not available.

10.2. Chemical stability

Stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4. Conditions to avoid

Exposure to sunlight. Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizers; strong alkalis; strong acid; other polymerization initiators; reducing agents; free radical initiators.

10.6. Hazardous decomposition products

Oxides of carbon; oxides of sulphur; oxides of nitrogen; phenols; irritating organic vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Estimated oral LD50: Greater than 5000mg/kg (rat).
Estimated dermal LD50: Greater than 2000 mg/kg (rabbit).

Effect of eye contact: Can cause eye irritation

Effect of skin contact: Can cause skin irritation

Effect of inhalation: Can cause asthma/allergy symptoms and irritation of respiratory tract

Effect of ingestion: Not considered to be toxic.

SECTION 12: Ecological information

12.1. Toxicity

No specific ecotoxicity data available. Product is classified as harmful to the environment with long lasting effects.

12.2. Persistence and degradability

Information not available.

12.3. Bioaccumulative potential

Information not available.

12.4. Mobility in soil

Information not available.

12.5. Results of PBT and vPvB assessment

Information not available.

12.6. Other adverse effects

None specified.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations. Controlled incineration by an approved contractor. Do not allow entry into sewers or natural environments.

SECTION 14: Transport information

14.1. UN number

Product is unclassified for transport

14.2. UN proper shipping name

Product is unclassified for transport

14.3. Transport hazard class(es)

Product is unclassified for transport

14.4. Packing group

Product is unclassified for transport

14.5. Environmental hazards

Product is classified as harmful to the environment with long lasting effects

14.6. Special precautions for user

Information not available.

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

Applicable for Maritime bulk transport only. Check with carrier.

SECTION 15: Regulatory information

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

This mixture is classified and labelled in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures and 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).

15.2. Chemical safety assessment

Chemical safety assessment not undertaken for this product.

SECTION 16: Other information

Full text of hazard statements not displayed in section 2 or 3:

H226: Flammable liquid and vapour

H302: Harmful if swallowed

H312: Harmful in contact with skin

H314: Causes severe skin burns and eye damage

H331: Toxic if inhaled

H332: Harmful if inhaled

H373: May cause damage to organs through prolonged or repeated exposure

H400: Very toxic to aquatic life

H411: Toxic to aquatic life with long lasting effects

The product classifications given in section 2 were calculated using data available for the components of the mixture.

This Safety data sheet is compiled using data submitted for raw materials and practical experience.
This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex I of the REACH regulation as amended by Regulation 453/2010.

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