



SAFETY DATA SHEET

SAS495

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name SAS495

Container size 5g, 20g

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

Identified uses Adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier Nina Works,
Gelderd Road,
Leeds
LS12 6NA
Tel: +44 (0) 113 213 4300

1.4. Emergency telephone number

Emergency telephone +44 (0) 113 213 4300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Health hazards STOT SE 3 - H335 STOT SE 3 - H335

2.2. Label elements

Contains ethyl 2-cyanoacrylate

2.3. Other hazards

Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ethyl 2-cyanoacrylate	60-100%
CAS number: 7085-85-0	EC number: 230-391-5
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	

SAS495

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical advice/attention if you feel unwell.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).
Skin contact	If adhesive bonding occurs, do not force skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin if lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull apart with direct opposing action.
Eye contact	If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to de-bond the adhesive. Keep eye covered until de-bonding is complete, usually within in 1-3 days. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

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

General information	Treat symptomatically.
----------------------------	------------------------

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

Notes for the doctor	Apply a pad soaked in warm water and allow the eyelids to separate. If adhesive bonding occurs, prise the skin apart slowly, working from the edge of the bonded area. Treat symptomatically.
-----------------------------	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
-------------------------------------	---

5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is not flammable. Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.
-------------------------	---

5.3. Advice for firefighters

Protective actions during firefighting	Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.
---	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin and eyes. Provide adequate ventilation.
-----------------------------	---

6.2. Environmental precautions

Environmental precautions	The product is biodegradable.
----------------------------------	-------------------------------

6.3. Methods and material for containment and cleaning up

SAS495

Methods for cleaning up Provide adequate ventilation. Do not use cloths for mopping up. Polymerise with water and scrape off floor.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13. For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions For personal protection, see Section 8.

Hygiene measures:

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 2°C and 8°C.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ethyl 2-cyanoacrylate

Short-term exposure limit (15-minute): WEL 0.3 ppm 1.5 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Eye/face protection Wear eye protection.

Hand protection Wear protective gloves made of the following material: Polyethylene. polypropylene Do NOT use Polyvinyl chloride (PVC). Rubber (natural, latex). nylon cotton

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear.
Odour	Characteristic.
Odour threshold	No information available.
pH	Not applicable.
Melting point	No information available.
Initial boiling point and range	96-150°C
Flash point	85°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

SAS495

Upper/lower flammability or explosive limits	No information available.
Vapour pressure	.293 mm Hg
Vapour density	No information available.
Relative density	No information available.
Solubility(ies)	Insoluble in water. Soluble in the following materials: Acetone.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Explosive properties	No information available.

9.2. Other information

Other information	None.
Volatile organic compound	20 g/l

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	Polymerisation will occur in the presence of moisture and other basic materials.
-------------------	--

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
------------------	---

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Polymerisation will occur in the presence of moisture and other basic materials.
---	--

10.4. Conditions to avoid

Conditions to avoid	None known.
----------------------------	-------------

10.5. Incompatible materials

Materials to avoid	Moisture.
---------------------------	-----------

10.6. Hazardous decomposition products**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Toxicological effects	Considered low toxicity.
------------------------------	--------------------------

Acute toxicity - oral

ATE oral (mg/kg)	4,198.15281276
-------------------------	----------------

Inhalation	Vapours may irritate eyes and respiratory system May cause inhalation hypersensitivity (occupational asthma) in sensitive individuals.
-------------------	--

Ingestion	Cyanoacrylates are considered to have relatively low toxicity. It is almost impossible to swallow as it rapidly polymerises in the mouth.
------------------	---

Skin contact	Bonds skin and eyes in seconds. May cause skin irritation.
---------------------	--

SAS495

Eye contact Bonds skin and eyes in seconds. In a dry atmosphere vapours may cause irritation and lachrymatory effect.

SECTION 12: Ecological Information

Ecotoxicity There are no data on the ecotoxicity of this product.

12.1. Toxicity

Ecotoxicity

Toxicity Low

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

SAS495

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

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 (as amended).
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) (as amended).
Dangerous Preparations Directive 1999/45/EC.

VOC content (2010/75/EC)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

SECTION 16: Other information

Revision date

30/08/2016

SDS number

5303

Hazard statements in full

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.

SAS495

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

WARRANTY: All products purchased from or supplied by Van-Line are subject to terms and conditions set out in the contract. Van-Line warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Van-Line is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Van-Line makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.