

**SAFETY DATA SHEET****AST-NL50**

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 AST-NL50
Container size 50ml bottles

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 ASTRAL CSL
Pilkingtons Industrial Estate,
Rake Lane, Swinton,
M27 8LP
Tel; +44 (0) 161 643 0260

1.4. Emergency telephone number

Emergency telephone +44 (0) 161 643 0260

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards

Not Classified

2.2. Label elements**Pictogram**

Signal word Warning

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

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P261 Avoid breathing vapour/spray.
 P264 Wash contaminated 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/protective clothing/eye protection/face 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.
 P312 Call a POISON CENTER/doctor 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.
 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/container in accordance with national regulations.

Contains Ethoxylated Bisphenol A Dimethacrylate, 2-hydroxypropyl methacrylate, 1-Acetyl-2-phenylhydrazine

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Ethoxylated Bisphenol A Dimethacrylate 60% CAS number: 41637-38-1 EC number: —	30-
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC)
Polyethylene Glycol 200 Dimethacrylate 30% CAS number: 26570-48-9 EC number: —	10-
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC)
2-hydroxypropyl methacrylate 30% CAS number: 923-26-2 EC number: 213-090-3	10-
Classification Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC)

AST-NL50 **α , α -dimethylbenzyl hydroperoxide**

<1% CAS number: 80-15-9 EC number: 201-254-7

Classification**Classification (67/548/EEC or 1999/45/EC)**

Org. Perox. E - H242

Acute Tox. 4 - H302

Acute Tox. 3 - H331

Skin Corr. 1B - H314

STOT RE 2 - H373

Acute Tox. 4 - H312

STOT SE 3 - H335

Aquatic Chronic 2 - H411

1-Acetyl-2-phenylhydrazine

<1%

CAS number: 114-83-0 EC number: —

Classification**Classification (67/548/EEC or 1999/45/EC)**

Acute Tox. 3 - H301

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Skin Sens. 1 - H317

STOT SE 3 - H335

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.

Ingestion

Do not induce vomiting. Give plenty of water to drink. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed**Skin contact**

Prolonged skin contact may cause redness and irritation.

Eye contact

Conjunctivitis, irritation, tearing.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

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Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

~~Specific hazards~~

In case of fire: Toxic gases or vapours.

~~Hazardous combustion products~~

Oxides of the following substances: Carbon dioxide (CO₂). Nitrogen.

5.3. Advice for firefighters

~~Protective actions during firefighting~~

Containers close to fire should be removed or cooled with water.

~~Special protective equipment for firefighters~~

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

~~Personal precautions~~

Provide adequate ventilation.

6.2. Environmental precautions

~~Environmental precautions~~

Avoid discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

~~Methods for cleaning up~~

Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

~~Reference to other sections~~

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

~~Usage precautions~~

Use only in well-ventilated areas. Avoid contact with eyes and prolonged skin contact. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

~~Storage precautions~~

Store at temperatures not exceeding 38°C. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from sunlight. Do not use containers made of the following materials: Aluminium. Mild steel. Copper. Rusty Steel. Tin.

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~~

8.2. Exposure controls

~~Eye/face protection~~

Wear eye protection.

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Hand protection

Wear protective gloves made of the following material: Polyethylene. Neoprene. Nitrile rubber. Do NOT use Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Purple.

Odour

Sweetish.

Odour threshold

No information available.

pH

pH (concentrated solution): -3-5

Melting point

Not applicable.

Initial boiling point and range

Not applicable.

Flash point

> 100°C

Upper/lower flammability or explosive limits

Not applicable.

Vapour pressure

-0.1 mm Hg @ 20°C

Vapour density

Not applicable.

Solubility(ies)

Slightly soluble in water.

Partition coefficient

No information available.

Decomposition Temperature

No information available.

Viscosity

1200 cps @ °C

Explosive properties

No information available.

Oxidising properties

Not available.

9.2. Other information

Other information

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No information required.

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

Oxidising agents. Metal oxides.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions**10.4. Conditions to avoid**

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials**Materials to avoid**

Avoid contact with the following materials: Aluminium. Mild Steel Rusty Steel Copper Tin

10.6. Hazardous decomposition products

In case of fire gases can be released Carbon dioxide (CO₂). Nitrogen.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicological effects**

No information available.

Acute toxicity - oral**ATE oral (mg/kg)**

52,721.32006847

Acute toxicity - inhalation**ATE inhalation (vapours mg/l)**

315.72300568

Inhalation

Irritating to respiratory system.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact

Irritating to skin.

Eye contact

May cause serious eye damage.

SECTION 12: Ecological Information**Ecotoxicity**

No data on possible environmental effects have been found.

12.1. Toxicity**12.2. Persistence and degradability****Persistence and degradability**

The product is biodegradable.

12.3. Bioaccumulative potential**Partition coefficient**

No information available.

AST-NL50**12.4. Mobility in soil****Mobility**

The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not available.

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

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

Disposal methods

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

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**Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

Not applicable.

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

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

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. Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

AST-NL50**Revision date** 18/03/2015**Revision** 2**Supersedes date** 06/10/2014**SDS number** 4592**Hazard statements in full**

H242 Heating may cause a fire.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Disclaimer

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 ASTRAL CSL are subject to terms and conditions set out in the contract. ASTRAL CSL warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by ASTRAL CSL 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. ASTRAL CSL 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.