



ADHESIVE L-HY 1

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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VERSION: 2.1

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

1.1. Product identifier

| | |
|--------------|---------------------------|
| Trade name | Adhesive L-HY 1 |
| Product code | Ford Internal Ref.:199973 |
| SDS Number | 3058 |
| Product use | Professional use |

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

Relevant identified uses

| | |
|------------------------------|--------------------------------------|
| Use of the substance/mixture | adhesives |
| Uses advised against | No additional information available. |

1.3. Details of the supplier of the safety data sheet

| Supplier | Distributor |
|----------------------|------------------------------|
| Ford-Werke GmbH | Ford Motor Company Ltd. |
| Edsel-Ford-Str. 2-14 | Parts Distribution Centre |
| 50769 Cologne | Royal Oak Way South |
| Germany | NN11 8NT Daventry, Northants |
| +49 221 90-33333 | United Kingdom |
| sdseu@ford.com | +44 1327 305 198 |

1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

2. SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

| | | | |
|----------------|--|------|-----------------------------------|
| Health hazards | Skin corrosion/irritation, Category 2 | H315 | Causes skin irritation. |
| | Serious eye damage/eye irritation, Category 2 | H319 | Causes serious eye irritation. |
| | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 | May cause respiratory irritation. |

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms



| | |
|-------------------|-------------------------|
| Signal word | Warning |
| Contains | ethyl 2-cyanoacrylate |
| Hazard statements | |
| H315 | Causes skin irritation. |

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

Prevention

P280 Wear eye protection, protective gloves.
P261 Avoid breathing vapours.

Response

P302+P352 IF ON SKIN: Wash with plenty of water
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 doctor, a POISON CENTER if you feel unwell

Supplemental hazard information

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

EUH208 Contains Methyl acrylate. May produce an allergic reaction

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

3. SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Chemical name | CAS- No EC- No Index No RRN | % | Classification according to Regulation (EC) No. 1272/2008 | Notes |
|--|---|------------|--|---------------------------------|
| ethyl 2-cyanoacrylate | 7085-85-0 230-391-5 607-236-00-9 01-2119527766-29-XXXX | 50 - < 100 | Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 | (10 =<C < 100) STOT SE 3, H335 |
| 2,2'-Methylenbis-(4-methyl-6-tert-butylphenol) | 119-47-1 204-327-1 01-2119496065-33-XXXX | 0,1 - < 1 | Repr. 2, H361 | |
| Methyl acrylate | 96-33-3 202-500-6 607-034-00-0 01-2119459302-44-XXXX | 0,1 - < 1 | Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 3, H412 | # (Note D) |

| Chemical name | CAS- No EC- No Index No RRN | % | Classification according to Regulation (EC) No. 1272/2008 | Notes |
|---------------|--|--------------|--|-------|
| Hydroquinone | 123-31-9 204-617-8 604-005-00-4 01-2119524016-51-XXXX | 0,01 - < 0,1 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 | |

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

#: substance with a Community workplace exposure limit

Full text of H-statements: see section 16

4. SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Never give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

Skin contact:

Do not pull bonded skin apart. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.

Eyes 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 debond the adhesive.

Keep eye covered until debonding is complete, usually within 1-3 days.

Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

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). If you feel unwell, seek medical advice.

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

Symptoms/effects after inhalation

May cause respiratory irritation. Cough. Shortness of breath.

Symptoms/effects after skin contact

irritation (itching, redness, blistering).

Symptoms/effects after eye contact

Eye irritation. Conjunctivitis.

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

Treat symptomatically.

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media

No additional information available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. Move containers from fire area if it can be done without personal risk. In case of fire and/or explosion do not breathe fumes. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|---|
| General measures | Keep unnecessary personnel away. |
| For non-emergency personnel | |
| Emergency procedures | Ventilate spillage area. Avoid breathing vapours. Avoid contact with skin and eyes. |
| For emergency responders | |
| Protective equipment | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | Flush residue with large amounts of water. Scrape up material. Stop the leak. |
| Other information | Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

7. SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-----------------------------------|---|
| Additional hazards when processed | Ensure that enough fresh air is supplied to dilute and remove dusts, fumes or vapours. Between 5 and 15 air changes per hour are recommended, with a through draught. |
| Precautions for safe handling | Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|--|
| Storage conditions | Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
| Storage area | Keep cool. Protect from sunlight. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. |
| Special rules on packaging | Keep only in original container. |

7.3. Specific end use(s) adhesives.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU

| Regulation | Substance | Type | Value |
|------------|----------------------------------|-----------|----------------------|
| COMMISSION | Methyl acrylate (96-33-3) | IOELV TWA | 18 mg/m ³ |
| DIRECTIVE | Methylacrylate | IOELV TWA | 5 ppm |

EU

2009/161/EU

IOELV STEL

36 mg/m³

IOELV STEL

10 ppm

United Kingdom

| Regulation | Substance | Type | Value |
|------------|---|----------|-----------------------|
| EH40. HSE | ethyl 2-cyanoacrylate (7085-85-0) Ethyl cyanoacrylate | WEL STEL | 1.5 mg/m ³ |
| | | WEL STEL | 0.3 ppm |
| | Methyl acrylate (96-33-3) Methyl acrylate | WEL TWA | 18 mg/m ³ |
| | | WEL TWA | 5 ppm |
| | | WEL STEL | 36 mg/m ³ |
| | | WEL STEL | 10 ppm |
| | | WEL TWA | 0.5 mg/m ³ |
| | Hydroquinone (123-31-9) Hydroquinone | WEL TWA | 0.5 mg/m ³ |

DNEL: Derived no effect level

No data available

| Components | Type | Route | Value | Form |
|---|----------|------------|----------------------------|------------------------------|
| 2,2'-Methylenbis-(4-methyl-6-tert-butylphenol) (119-47-1) | Worker | Dermal | 3.175 mg/kg bodyweight/day | Acute - systemic effects |
| | | Inhalation | 22.4 mg/m ³ | Acute - systemic effects |
| | | Dermal | 0.635 mg/kg bodyweight/day | Long-term - systemic effects |
| | | Inhalation | 4.48 mg/m ³ | Long-term - systemic effects |
| | Consumer | Dermal | 1.59 mg/kg bodyweight | Acute - systemic effects |
| | | Inhalation | 5.5 mg/m ³ | Acute - systemic effects |
| | | Oral | 1.59 mg/kg bodyweight | Acute - systemic effects |
| | | Oral | 0.318 mg/kg bodyweight/day | Long-term - systemic effects |
| | | Inhalation | 1.1 mg/m ³ | Long-term - systemic effects |
| | | Dermal | 0.318 mg/kg bodyweight/day | Long-term - systemic effects |
| Methyl acrylate (96-33-3) | Worker | Dermal | 0.49 mg/cm ² | Acute - local effects |
| | | Inhalation | 18 mg/m ³ | Long-term - local effects |
| | Consumer | Dermal | 0.49 mg/m ³ | Long-term - local effects |
| | | Inhalation | 2.1 mg/m ³ | Long-term - local effects |
| Hydroquinone (123-31-9) | Worker | Dermal | 3.33 mg/kg bodyweight/day | Long-term - systemic effects |
| | | Inhalation | 2.1 mg/m ³ | Long-term - systemic effects |
| | Consumer | Oral | 0.6 mg/kg bodyweight/day | Long-term - systemic effects |
| | | Inhalation | 1.05 mg/m ³ | Long-term - systemic effects |
| | | Dermal | 1.66 mg/kg bodyweight/day | Long-term - systemic effects |

PNEC: Predicted no effect concentration

No data available

| Components | Type | Route | Value | Form |
|---------------------------|----------------|------------|-----------------|----------------------|
| Methyl acrylate (96-33-3) | Not applicable | Freshwater | 0.003 mg/l | |
| | | Seawater | 0 | |
| | | Freshwater | 0.011 mg/l | Intermittent release |
| | | sediment | 0.011 mg/kg dwt | Freshwater |
| | | sediment | 0.011 mg/kg dwt | Seawater |
| | | Soil | 1 mg/kg dwt | |
| | | Oral | 0.001 g/kg food | Secondary Poisoning |
| | | STP | 10 mg/l | |
| Hydroquinone (123-31-9) | Not applicable | Freshwater | 0.57 µg/L | |

| | | |
|------------|---------------|----------------------|
| Seawater | 0.057 µg/L | |
| Freshwater | 1.34 µg/L | Intermittent release |
| sediment | 4.9 µg/kg dw | Freshwater |
| sediment | 0.49 µg/kg dw | Seawater |
| Soil | 0.64 µg/kg dw | |
| STP | 0.71 mg/l | |

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

Materials for protective clothing

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment

Individual protection measures, such as personal protective equipment (PPE)

Eye protection

EN 166. Wear security glasses which protect from splashes

Skin protection

Hand protection

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

| Material | Permeation | Thickness (mm) | Comments |
|---|--------------|----------------|---|
| Butyl rubber | 60 - 119 min | 0,7 | Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product. |
| In case of splash contact: Butyl rubber | 60 - 119 min | 0,7 | Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product. |

Other protective measures

No additional information available.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. If the occupational exposure limit is exceeded: Wear a respirator conforming to EN140 with Type A filter or better. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

Skin and body protection

Wear suitable protective clothing, EN 14605, EN ISO 13982, Long sleeved protective clothing

Thermal hazard protection

No additional information available.

Environmental exposure controls

Avoid release to the environment.

9. SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--------------------|
| Physical state | Liquid |
| Appearance | gel. |
| Colour | Clear. Colourless. |
| Odour | Irritating. |
| Odour threshold | No data available |
| pH | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Melting point | Not applicable |
| Freezing point | No data available |
| Boiling point | 149 °C |
| Flash point | 80 - 93 °C |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | Not applicable |
| Vapour pressure | No data available |
| Relative vapour density at 20 °C | No data available |
| Relative density | No data available |

| | |
|-----------------------------|-------------------|
| Solubility | No data available |
| Log Pow | No data available |
| Viscosity, kinematic | No data available |
| Viscosity, dynamic | No data available |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Explosive limits | No data available |

9.2. Other information

| | |
|-----------------|-----|
| VOC (EU) | 0 % |
|-----------------|-----|

10. SECTION 10: Stability and reactivity

| | |
|---|---|
| 10.1. Reactivity | The product is non-reactive under normal conditions of use, storage and transport. A rapid exothermic polymerisation reaction occurs in the presence of water, amines, alkaline substances and alcohol. |
| 10.2. Chemical stability | Stable under normal conditions. |
| 10.3. Possibility of hazardous reactions | Refer to section 10.1 on Reactivity. |
| 10.4. Conditions to avoid | None under recommended storage and handling conditions (see section 7). |
| 10.5. Incompatible materials | Refer to section 10.1 on Reactivity. |
| 10.6. Hazardous decomposition products | Carbon oxides (CO, CO ₂). |

11. SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Substance

| Name | Method | Type | Exposure route | Value | Unit | Species | Remarks |
|-----------------------------------|-------------------|------|----------------|--------|----------|---------|---------|
| ethyl 2-cyanoacrylate (7085-85-0) | (OECD 401 method) | LD50 | oral | > 5000 | mg/kg | rat | |
| | (OECD 402 method) | LD50 | Dermal | > 2000 | mg/kg | rabbit | |
| Methyl acrylate (96-33-3) | (OECD 401 method) | LD50 | oral | 768 | mg/kg bw | rat | |
| | (OECD 403 method) | LC50 | Inhalation | 1855 | ppm/4h | rat | |
| | | LD50 | Dermal | 1250 | mg/kg bw | rat | |
| Hydroquinone (123-31-9) | (OECD 401 method) | LD50 | oral | > 375 | mg/kg bw | rat | |
| | | LD50 | Dermal | > 2000 | mg/kg bw | rabbit | |

| | |
|--|---|
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met |
| Carcinogenicity | Based on available data, the classification criteria are not met |
| Reproductive toxicity | Based on available data, the classification criteria are not met |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | Based on available data, the classification criteria are not met |

Aspiration hazard

Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms

Prolonged inhalation may be harmful. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

12. SECTION 12: Ecological information**12.1. Toxicity****Ecology - general**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Hazardous to the aquatic environment, short-term (acute)

| Substance / Product | Trophic level | Species | Type | Value | Duration | Remarks |
|---------------------------|-----------------------|-------------------------------------|------|------------|----------|-------------------|
| Methyl acrylate (96-33-3) | Fish | Oncorhynchus mykiss (Rainbow trout) | LC50 | 56,2 mg/L | 96 h | (OECD 203 method) |
| | aquatic invertebrates | Daphnia magna | EC50 | 19 mg/L | 48 h | (OECD 202 method) |
| | algae | Raphidocelis subcapitata | EC50 | 14,6 mg/L | 72 h | (OECD 201 method) |
| Hydroquinone (123-31-9) | Fish | Oncorhynchus mykiss (Rainbow trout) | LC50 | 0,638 mg/L | 96 h | (OECD 203 method) |
| | aquatic invertebrates | Daphnia magna | EC50 | 0,134 mg/L | 48 h | (OECD 202 method) |
| | algae | algae | EC50 | 0,330 mg/L | 72 h | (OECD 201 method) |

Hazardous to the aquatic environment, long-term (chronic)

| Substance / Product | Trophic level | Species | Type | Value | Duration | Remarks |
|-------------------------|-----------------------|-------------------------------------|------|-------------|----------|-------------------|
| Hydroquinone (123-31-9) | Fish | Oncorhynchus mykiss (Rainbow trout) | NOEC | >= 66 µg/L | 32 d | |
| | aquatic invertebrates | daphnia | NOEC | 0,0057 mg/L | 21 d | (OECD 211 method) |
| | algae | | NOEC | 0,019 mg/L | 72 h | |

12.2. Persistence and degradability**Adhesive L-HY 1****Persistence and degradability**

The product is not biodegradable.

12.3. Bioaccumulative potential**ethyl 2-cyanoacrylate (7085-85-0)**

Log Pow 0.776 @ 22 °C, 6,3 pH

2,2'-Methylenbis-(4-methyl-6-tert-butylphenol) (119-47-1)

Log Pow 6.25 @ 20°C

Methyl acrylate (96-33-3)

BCF fish 1 3.162

Log Pow 0.739 @ 25°C

12.4. Mobility in soil**Methyl acrylate (96-33-3)**

Log Koc 0.808

12.5. Results of PBT and vPvB assessment

Adhesive L-HY 1

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6. Other adverse effects

No additional information available.

13. SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|---|--|
| Regional legislation (waste) | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations. |
| Waste treatment methods | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. |
| Product/Packaging disposal recommendations | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. |
| European List of Waste (LoW) code | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| 08 04 09* | waste adhesives and sealants containing organic solvents or other dangerous substances |
| 15 01 10* | packaging containing residues of or contaminated by dangerous substances |

14. SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

| | |
|----------------------|----------------|
| UN-No. (ADR) | Not regulated. |
| UN-No. (IMDG) | Not regulated. |
| UN-No. (IATA) | 3334 |
| UN-No. (ADN) | Not regulated. |
| UN-No. (RID) | Not regulated. |

14.2. UN proper shipping name

| | |
|------------------------------------|--|
| Proper Shipping Name (ADR) | Not regulated. |
| Proper Shipping Name (IMDG) | Not regulated. |
| Proper Shipping Name (IATA) | Aviation regulated liquid, n.o.s. (ethyl 2-cyanoacrylate) |
| Proper Shipping Name (ADN) | Not regulated. |
| Proper Shipping Name (RID) | Not regulated. |

14.3. Transport hazard class(es)

| | |
|--|----------------|
| ADR | |
| Transport hazard class(es) (ADR) | Not regulated. |
| IMDG | |
| Transport hazard class(es) (IMDG) | Not regulated. |
| IATA | |
| Transport hazard class(es) (IATA) | 9 |

| | |
|--|---|
| Hazard labels (IATA) | 9 |
| ADN | |
| Transport hazard class(es) (ADN) | Not regulated. |
| RID | |
| Transport hazard class(es) (RID) | Not regulated. |
| 14.4. Packing group | |
| Packing group (ADR) | Not regulated. |
| Packing group (IMDG) | Not regulated. |
| Packing group (IATA) | III |
| Packing group (ADN) | Not regulated. |
| Packing group (RID) | Not regulated. |
| 14.5. Environmental hazards | |
| Dangerous for the environment | No |
| Marine pollutant | No |
| Other information | No supplementary information available. |
| 14.6. Special precautions for user | |
| Overland transport | |
| Not regulated. | |
| Transport by sea | |
| Not regulated. | |
| Air transport | |
| PCA Excepted quantities (IATA) | E1 |
| PCA Limited quantities (IATA) | Y964 |
| PCA limited quantity max net quantity (IATA) | 30kgG |
| PCA packing instructions (IATA) | 964 |
| PCA max net quantity (IATA) | 100L |
| CAO packing instructions (IATA) | 964 |
| CAO max net quantity (IATA) | 220L |
| Special provisions (IATA) | A27 |
| ERG code (IATA) | 9A |
| Inland waterway transport | |
| Not regulated. | |
| Rail transport | |
| Not regulated. | |
| 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code | |
| Not applicable | |
| 15. SECTION 15: Regulatory information | |
| 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| EU-Regulations | |
| The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006 | |

| | |
|---|--|
| Methyl acrylate | 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |
| Methyl acrylate | 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |
| ethyl 2-cyanoacrylate - Methyl acrylate | 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| ethyl 2-cyanoacrylate - Methyl acrylate | 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 |
| Methyl acrylate | 3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC (EU)

0 %

Other information, restriction and prohibition regulations

Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. Directive 94/33/EC on the protection of young people at work, as amended. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. For details, refer to section 3 and 8.

National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. SECTION 16: Other information

Indication of changes

1.4. Emergency telephone number. Portuguese.

Abbreviations and acronyms

| | |
|------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| AGW | Occupational exposure limit value |
| ATE | Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) |
| BAM | Federal Institute for Materials Research and Testing, Germany |
| BAT | Maximum permissible concentration of biological working substances. |
| BCF | Bio-concentration factor. |
| BLV | Biological limit values |
| BLV | Biological limit values (BGW, Austria) |
| BMGV | Biological Monitoring Guidance Value (EH40,UK). |
| BOD5 | Biochemical oxygen demand within 5 days |
| BOD | Biochemical oxygen demand |
| bw | Body weight. |

| | |
|------------------|---|
| calcd. | Calculated |
| CAS | Chemical Abstract Service. |
| CEN | European Committee for Standardization |
| CESIO | European Committee on Organic Surfactants and their Intermediates. |
| COD | Chemical oxygen demand |
| CLP | Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures. |
| CMR | Carcinogenic, Mutagenic or Reproduction Toxic Substances |
| CSA | Chemical safety assessment |
| CSR | Chemical Safety Report. |
| DMEL | Derived Minimum Effect Level. |
| DNEL | Derived no effect level |
| EAC | European waste catalogue |
| EC | European community |
| EC50 | Effective concentration |
| EINECS | European Inventory of Existing Commercial Chemical Substances. |
| ELINCS | European List of Notified Chemical Substances. |
| EN | European norm. |
| ERC | ERC (Environmental Release category) |
| EU | European Union |
| GLP | Good Laboratory Practice. |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals. |
| GW/VL | Occupational exposure limit value. |
| GW-kw/VL-cd | Occupational exposure limit value - short term. |
| GW-M/VL-M | Occupational exposure limit value – "Ceiling". |
| IATA | International Air Transport Association |
| IBC code | International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk). |
| ICAO | International Civil Aviation Organization |
| IC50 | Inhibition Concentration 50%. |
| IECSC | Inventory of Existing Chemical Substances in China. |
| IMDG | International Maritime Dangerous Goods |
| ISO | International Standards Organization. |
| IUPAC | International Union of Pure and Applied Chemistry |
| LC50 | Lethal Concentration 50%. |
| LCLo | Lowest published lethal concentration. |
| LD50 | Lethal Dose 50%. |
| LOAEL | Lowest Observed Adverse Effect Level |
| LOEC | Lowest observable effect concentration. |
| LOEL | Lowest observable effect level. |
| LQ | Limited quantities |
| TRK-Kzw | Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria. |
| MAK-Mow | Maximum allowable workplace concentration – instantaneous value, Austria. |
| MAK-Tmw, TRK-Tmw | Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria. |
| MAK | Threshold limit values Germany. |

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| MARPOL | International Convention for the Prevention of Pollution from Ships. |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| NOEL | no-observed-effect level |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limits |
| PBT | Persistent Bioaccumulative Toxic |
| PC (Chemical product category) | PC (Chemical product category) |
| PNEC | Predicted No-Effect Concentration |
| POCP | Photochemical ozone creation potential. |
| POP | Persistent Organic Pollutants |
| PPE | Personal protective equipment |
| Process category | Process category |
| REACH | Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals). |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SCL | Specific concentration limit. |
| STEL | Short-term Exposure Limit |
| STP | Sewage treatment plant |
| SU (Sector of use) | SU (Sector of use) |
| SVHC | Substance of Very High Concern. |
| TLV | Threshold Limit Value |
| TRGS | Technical Rules for Hazardous Substances (German Standard). |
| TWA | Time Weighted Average |
| UVCB | Substances of Unknown or Variable composition, Complex reaction products or Biological materials |
| VbF | Ordinance on Flammable Liquids, Austria |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| WEL-TWA | Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period). |
| WEL-STEL | Workplace Exposure Limit-Short term exposure limit (15-minute reference period). |

Data sources

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006..

Full text of H- and EUH-statements

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|---------------------------|--|
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3. |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4. |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4. |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1. |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1. |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3. |
| Carc. 2 | Carcinogenicity, Category 2. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1. |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2. |

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| Flam. Liq. 2 | Flammable liquids, Category 2. |
| Muta. 2 | Germ cell mutagenicity, Category 2. |
| Repr. 2 | Reproductive toxicity, Category 2. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2. |
| Skin Sens. 1 | Skin sensitisation, Category 1. |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation. |
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| 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. |
| H341 | Suspected of causing genetic defects. |
| H351 | Suspected of causing cancer. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH202 | Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.. |
| EUH208 | Contains Methyl acrylate. May produce an allergic reaction. |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

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|---------------|------|--------------------|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Irrit. 2 | H319 | Calculation method |
| STOT SE 3 | H335 | Calculation method |

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Attachment to the Safety Data Sheet



Product Name: Adhesive L-HY 1

Ford Int. Ref. No.: 199973

REVISION DATE: 15.11.2019

Involved Products:

| Finiscode | Part number | Container Size: |
|----------------------------------|--------------------|------------------------|
| 1 | JU7J M2G402 BA | 10 g |
| Part of Kit: 2 331 194 | JU7J M2G402 AA | Hybrid Adhesive Kit |