

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** UR 3558 PART B
- **Application of the substance / the preparation** Polyurethane resin
- **Manufacturer/Supplier:**
 AXSON FRANCE
 Rue de l'Equerre
 F-95310 SAINT OUEN L'AUMONE
 Tél.(33-1)34 40 34 60
- **Further information obtainable from:** LAB. R&D -(33) 01 34 40 34 60
- **Information in case of emergency:** ORFILA : (33)01 45 42 59 59

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 19900-65-3	4,4'-methylenebis(2-ethylaniline)	Xn, N; R 22-40-50/53	25-50%
EINECS: 243-420-1			

3 Hazards identification

- **Hazard description:**



Xn Harmful
 N Dangerous for the environment

- **Information concerning particular hazards for human and environment:**

R 22 Harmful if swallowed.
 R 40 Limited evidence of a carcinogenic effect.
 R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
 Immediately wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.
- **After eye contact:**
 Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Call for a doctor immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear self-contained respiratory protective device.

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· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:** *Wear protective equipment. Keep unprotected persons away.*
- **Measures for environmental protection:** *Prevent seepage into sewage system, workpits and cellars.*
- **Measures for cleaning/collecting:**
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.*

7 Handling and storage

- **Handling:**
- **Information for safe handling:** *Ensure good ventilation/exhaustion at the workplace.*
- **Information about fire - and explosion protection:** *Protect from heat.*
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Prevent any seepage into the ground.*
- **Information about storage in one common storage facility:** *Store away from foodstuffs.*
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** *The lists valid during the making were used as basis.*
- **Personal protective equipment:**
- **General protective and hygienic measures:**
*The usual precautionary measures are to be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.*
- **Respiratory protection:** *Not necessary if room is well-ventilated.*
- **Protection of hands:**



Protective gloves

- **Material of gloves:** *Neoprene gloves*
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Safety glasses

Tightly sealed goggles

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· **Body protection:** Use protective suit.

9 Physical and chemical properties

· **General Information**

Form: Fluid
Colour: Amber coloured
Odour: Characteristic

· **Change in condition**

Melting point/Melting range: NA°C
Boiling point/Boiling range: NA°C

- **Flash point:** >110°C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1.01 g/cm³
- **Solubility in / Miscibility with water:** Insoluble.
- **organic solvents:** Soluble in many organic solvents.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with oxidizing agents.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

19900-65-3 4,4'-methylenebis(2-ethylaniline)

Oral	LD50	743 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is difficultly biodegradable.
- **General notes:** At present there are no ecotoxicological assessments.

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13 Disposal considerations

· **Product:**

· **Recommendation**

Dispose of the product by burning in a suitable incinerator or bury in an approved landfill following all applicable local and/or national regulations.

· **European waste catalogue**

20 01 27	paint, inks, adhesives and resins containing dangerous substances
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· **Uncleaned packaging:**

· **Recommendation:**

Empty containers may not be disposed of unless any remaining material adhering to the internal walls has been removed.

14 Transport information

· **Land transport ADR/RID (cross-border)**



· **ADR/RID class:** 9 Miscellaneous dangerous substances and articles.

· **Danger code (Kemler):** 90

· **UN-Number:** 3082

· **Packaging group:** III

· **Hazard label** 9

· **Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-methylenebis(2-ethylaniline))

· **Maritime transport IMDG:**



· **IMDG Class:** 9

· **UN Number:** 3082

· **Label** 9

· **Packaging group:** III

· **Marine pollutant:** No

· **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-methylenebis(2-ethylaniline))

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 9

· **UN/ID Number:** 3082

· **Label** 9

· **Packaging group:** III

· **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-methylenebis(2-ethylaniline))

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- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws.

- **Code letter and hazard designation of product:**

Xn Harmful

N Dangerous for the environment

- **Hazard-determining components of labelling:**

4,4'-methylenebis(2-ethylaniline)

- **Risk phrases:**

22 Harmful if swallowed.

40 Limited evidence of a carcinogenic effect.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Safety phrases:**

36/37 Wear suitable protective clothing and gloves.

57 Use appropriate container to avoid environmental contamination.

60 This material and its container must be disposed of as hazardous waste.

- **National regulations:**

- **Waterhazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**

22 Harmful if swallowed.

40 Limited evidence of a carcinogenic effect.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Department issuing MSDS:** Product Safety and Toxicology