

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

- **Product details**
- **Trade name: UR 3490 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: 106264-79-3	6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine	50-100%
ELINCS: 403-240-8	Xn, N; R 22-43-50/53	

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 43 May cause sensitisation by skin contact.
- R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First-aid measures

- **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **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:** Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **Special hazards caused by the substance, its products of combustion or resulting gases:**
During heating or in case of fire poisonous gases are produced.
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- **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:**
Use only receptacles specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Protect from humidity and water.
This product is hygroscopic.

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.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

- **Material of gloves** PVC gloves

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· **Eye protection:**

Safety glasses

Tightly sealed goggles

· **Body protection:** Protective work clothing

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: >200°C

· **Flash point:** > 55°C· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Density at 20°C:** 1.08 g/cm³· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **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 strong acids and oxidizing agents.· **Dangerous decomposition products:**

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO_x)Sulphur oxides (SO_x)

11 Toxicological information

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

106264-79-3 6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

Oral LD50 1515 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

· **Primary irritant effect:**· **on the skin:** No irritant effect.· **on the eye:** No irritating effect.

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- **Sensitization:** Sensitization possible through skin contact.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is difficultly biodegradable.
- **Ecotoxic effects:**

- **Acquatic toxicity:**

106264-79-3 6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

LC 50 (96h) 16.9 mg / l (fish)

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

- **Uncleaned packaging:**

- **Recommendation:**

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

Disposal must be made according to official regulations.

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. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

- **Maritime transport IMDG:**



- **IMDG Class:** 9
- **UN Number:** 3082
- **Label** 9
- **Packaging group:** III
- **Marine pollutant:** No

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· **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

· **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. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

· **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:**

6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

· **Risk phrases:**

22 Harmful if swallowed.

43 May cause sensitisation by skin contact.

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

· **Safety phrases:**

24 Avoid contact with skin.

37 Wear suitable 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.

43 May cause sensitisation by skin contact.

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

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