

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

- **Product details**
- **Trade name:** UR 3445 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 ELINCS: 403-240-8	6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine Xn, N; R 22-43-50/53	10-25%
CAS: 26545-49-3 EINECS: 247-783-7	Phenylmercuric neodecanoate T, N; R 25-34-48-50/53	£ 0.5%

3 Hazards identification

· **Hazard description:**



Xi Irritant
N Dangerous for the environment

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

R 43 May cause sensitisation by skin contact.

R 51/53 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. If symptoms persist, consult a doctor.

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- **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.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **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).

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.
- **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

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Wash hands before breaks and at the end of work.

Avoid close or long term contact with the skin.

- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

- **Material of gloves** PVC 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

- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Green
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:** 1.23 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.

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- **Dangerous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
Sulphur dioxide

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)
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Dermal	LD50	>2000 mg/kg (rabbit)
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26545-49-3 Phenylmercuric neodecanoate

Oral	LD50	60 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

12 Ecological information

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

- **Acquatic toxicity:**

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

LC 50 (96h)	16.9 mg / l (fish)
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- **General notes:** At present there are no ecotoxicological assessments.

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

· **Maritime transport IMDG:**



- **IMDG Class:** 9
- **UN Number:** 3082
- **Label** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine pollutant:** No
- **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)

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* 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:**
Xi Irritant
N Dangerous for the environment
- **Hazard-determining components of labelling:**
6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine
- **Risk phrases:**
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
23 Do not breathe gas/fumes/vapour/spray.
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.
25 Toxic if swallowed.
34 Causes burns.
43 May cause sensitisation by skin contact.
48 Danger of serious damage to health by prolonged exposure.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Department issuing MSDS: Product Safety and Toxicology**