

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

- **Product details**
- **Trade name:** PX 223 HT POLYOL
- **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:** DPT HSE -(33) 01 34 40 34 60 - [safety@axson.fr](mailto:safety@axson.fr)
- **Information in case of emergency:** ORFILA : (33)01 45 42 59 59

## 2 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.

## 3 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, Xi, N; R 22-43-50/53	

## 4 First-aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Sulphur dioxide (SO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

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- **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:**  
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:**  
Inform personnel of risks associated with the product, the precautions to be taken and procedures to follow where an accident occurs.
- **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 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.
- **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**  
PVC gloves

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break trough 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:** Black  
**Odour:** Characteristic

· **Change in condition**

**Melting point/Melting 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:** 1.12 g/cm<sup>3</sup> (ISO 1675:1985)

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **organic solvents:** Soluble in many organic solvents.

· **pH-value at 20°C:** NA

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions**

Reacts with oxidizing agents.

Reacts with acids.

· **Dangerous decomposition products:**

Sulphur dioxide

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)

## 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 &gt;2000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitisation** May cause sensitisation by 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)

**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

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- **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)

### 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.

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

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

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