Material Safety Data Sheet
According to 91/155 EC

Printing date 14.11.2003 Reviewed on 13.11.2003

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

· **Product details**

· **Trade name: UR 3435 PART A**

· **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

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2 Composition/information on ingredients

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

· **Dangerous components:**

CAS: 26471-62-5 EINECS: 247-722-4	m-tolylidene diisocyanate	T+; R 26-36/37/38-40-42/43-52/53	< 1%

3 Hazards identification

· **Hazard description:**

Xn Harmful

· **Information concerning particular hazards for human and environment:**
R 20 Harmful by inhalation.
R 42 May cause sensitisation by inhalation.
Contains isocyanates. See information supplied by the manufacturer

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:** CO2, powder or water spray. Fight larger fires with water spray.
· **Special hazards caused by the substance, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Nitrogen oxides (NOx)
Carbon monoxide (CO)
Hydrogen cyanide (HCN)
(Traces)
· **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:**
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).
After approximately one hour, transfer to suitable drum containers. Do not close these (likelihood of CO_2 production). Cover tops only.
Leave open to air in a supervised area for 7 to 14 days before transferring to an authorized dumping site.
Ensure adequate ventilation.

7 Handling and storage

· **Handling:**
· **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Inform personnel of risks associated with the product, the precautions to be taken and procedures to follow where an accident occurs.
Avoid exposure to the material of persons having suffered from chronic respiratory affections (especially asthmatic and bronchitic persons) and those having an isocyanate allergia.
· **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.

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.
Avoid contact with the eyes and skin.
· **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
Fresh air mask
Filter A/P2

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· **Protection of hands:**

Protective gloves

· **Material of gloves** *Neoprene gloves*
· **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:	*Colourless*
Odour:	*Characteristic*

· **Change in condition**

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

· **Flash point:**	*190°C (P. MARTENS)*
· **Self-igniting:**	*Product is not selfigniting.*
· **Danger of explosion:**	*Product does not present an explosion hazard.*
· **Density at 20°C:**	*1.19 g/cm³*
· **Solubility in / Miscibility with water:**	*Insoluble.*

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Dangerous reactions**
Violent reactions with -NHx, -OH and -SH- groups.
In the presence of water or humidity gas is produced (CO2) and/or uncontrolled polymerization, possibly leading to internal pressure rises and consequent risk of container breach.
· **Dangerous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

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

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· **Sensitization:** Sensitization possible through inhalation.

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.

13 Disposal considerations

· **Product:**
· **Recommendation**
Dispose of the product by burning in a suitable incinerator or bury in an approved landfield following all applicable local and/or national regulations.

· European waste catalogue	
08 05 01	waste isocyanates

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

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

· **Maritime transport IMDG:**
· **IMDG Class:** -

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

· **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

· **Hazard-determining components of labelling:**
m-tolylidene diisocyanate

· **Risk phrases:**
20 Harmful by inhalation.
42 May cause sensitisation by inhalation.

· **Safety phrases:**
9 Keep container in a well-ventilated place.
23 Do not breathe gas/fumes/vapour/spray.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
60 This material and its container must be disposed of as hazardous waste.

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· **Special labelling of certain preparations:**
Contains isocyanates. See information supplied by the manufacturer

· **National regulations:**

· **Waterhazard class:** Water hazard class 2 (Self-assessment): 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**

26	Very toxic by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
40	Limited evidence of a carcinogenic effect.
42/43	May cause sensitisation by inhalation and skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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