

SAFETY DATA SHEET

Parathane Accelerator

Version: 2

Review date: 17/01/2007

91/155/EC (2001/58/EC) - ISO 11014-1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: Parathane Accelerator

Uses or/and applications: Settling accelerator for one K polyurethane resin.

Supplier: Icopal SAS
12 Rue de la Renaissance
FR-92184 Antony Cedex
France
Phone: +33 1 40 96 35 00
Fax: +33 1 46 66 24 85
E-mail: contact_fr@icopal.com

Emergency phone number (to be used by the practising doctor): UK - National Poisons Information Service Phone: 44 / 191 22 5131
B - Centre Antipoisons Tél: +32 (0) 70 245 245

2. COMPOSITION / INFORMATION ON INGREDIENTS

Preparation name: Parathane Accelerator

Component(s) contributing to the hazard:

- o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4] - Id No: 601-022-00-9 - CAS no: 1330-20-7 - EC no: 215-535-7
Conc. wt.(%): 50 < C <= 60 - Classification: • R 10 • Xn; R 20/21 • Xi; R 38 •
- Amines aromatiques modifiées
Conc. wt.(%): 20 < C <= 25 - Symbol(s): Xn - R-phrased(s): 22
- Polymer of aliphatic amines and polyols
Conc. wt.(%): 5 < C <= 10 - Symbol(s): Xn - R-phrased(s): 22
- Aromatic Amines - CAS no: 68479-98-1
Conc. wt.(%): 5 < C <= 10 - Symbol(s): Xn Xi N - R-phrased(s): 21/22-36-48/22-50/53

3. HAZARDS IDENTIFICATION

Most important hazards: Vapour / air mixture is flammable.
Harmful by inhalation, in contact with skin and if swallowed.
Irritating to skin.
Damages to the liver and kidneys may occur.

Specific hazards: May cause sensibilisation.

4. FIRST AID MEASURES

Inhalation: Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.
- Artificial respiration and/or oxygen if necessary.

Skin contact: - Take off immediately all contaminated clothing.
- Wash off with soap and plenty of water.
- If skin irritation persists, take medical advice.

Eye contact: - Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

Ingestion: - Do not induce vomiting.
- Rinse the mouth, drink a little water, keep quiet and go immediately to hospital or to a doctor.
- Drain stomach by gastric lavage under qualified medical supervision.

Treatment : Notes to physician: Do not administer sympaticomimetic amines.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂), water spray in sufficient quantity.

Extinguishing media which must NOT be used for safety reasons: Do not use water jet.

Specific method(s): Cool containers / tanks with spray water if possible.

Specific fire hazard(s): In case of fire, product decomposes in: carbon oxides (CO and CO₂) and smokes.
Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.

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Special protective equipment for fire-fighters: Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution(s): Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Concerning personal protective equipment to use, see item 8.

Environmental precaution(s): Dike and contain spill. Collect the product by mixture with an inert support (sand, absorbing product) recover in an airtight container. Do not allow to enter drains or water courses. Concerning disposal elimination after cleaning, see item 13.

Method(s) for cleaning up: Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel). Shovel into suitable and closed container for disposal. Dispose as hazardous waste.

7. HANDLING AND STORAGE

Handling

- Precaution(s): Vapours may form flammable mixture with air. Do not eat, drink and do not smoke in areas where product is used. Avoid all eyes and skin contact and do not breathe vapour and mist.

- Technical condition(s): Avoid contact with skin, eyes, or clothing. Provide sufficient air exchange and/or exhaust.

- Safe handling advice(s): Opened containers must be carefully closed and kept upright to avoid leakage.

Storage

- Precaution(s): Store in a place accessible by authorised persons only.

- Storage condition(s): Store at temperatures between 5°C and 25 °C. Keep away from sources of ignition - No smoking. Store away from direct sunlight or other heat sources. Store in a well-ventilated place.

- Separation of incompatible product(s): Keep away from: strong acids, strong bases and oxidising compounds.

- Packaging / tank material: made of the same material as the supply container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measure(s): Ensure adequate ventilation, especially in confined areas.

Control parameter(s):

- Exposure limit(s): • o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4]: VME ppm = 50 - VME mg/m³ = 221 - VLE ppm = 100 - VLE mg/m³ = 442

Personal protection equipment:

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. (breathing apparatus with filter A)

- Hand protection: protective gloves
PVC or other plastic material gloves

- Skin and body protection: long sleeved protective clothing

- Eye protection: safety glasses or face shield

Hygiene measure(s): Do not eat, drink, or smoke during work. Keep away from food, drink and animal feed. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

- Physical state / form: liquid

- Colour: light brown

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- Odour:	Typically organic solvent.
Important health,safety and environmental information	
- PH:	Not applicable.
- Boiling point/range:	138 - 144 °C
- Flash point:	27 °C
- Explosion limits:	Low: 1,7% by volume (xylene). Upper: 7,5% by volume (xylene).
- Relative density (water = 1):	0,87 @ 20°C
- Viscosity:	Not determined.
- Water solubility:	Nonmiscible
- Fat solubility:	partly soluble
- Solvent solubility:	soluble in most organic solvents

10. STABILITY AND REACTIVITY

Stability:	Stable in use and storage conditions as recommended in item 7.
Condition(s) to avoid:	Do not expose at temperatures above 45 °C
Material(s) to avoid:	Avoid certain plastics which are soluble in product.
Hazardous decomposition products:	Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
- Inhalation:	Irritating to the respiratory system, may cause throat pain and cough. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest. - LC50/inhalation/4h/rat = 500 mg/L/4 h
- Skin contact:	Components of the product may be absorbed into the body through the skin. Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis. ALD/dermal/rabbit = irritant
- Eyes contact:	May cause irritation and serious damage.
- Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Susceptible to induce: oedema of the lungs, heavy breathing difficulty, dizziness. - LD50/oral/rat = 2800 mg/kg
Chronic toxicity:	Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.
Toxicity of repeated or prolonged exposure:	None the components is registered on the I.A.R.C. list for carcinogenic products.

12. ECOLOGICAL INFORMATION

General information(s):	There is no data available on the product itself.
Persistence and degradability:	Product has only a limited biodegradability in soil and water.
Bioaccumulation:	None bioaccumulation.
Environmental toxicity:	weak
Other adverse effects	

13. DISPOSAL CONSIDERATIONS

Waste / unused products:	Do not dispose of waste into sewer.
Contaminated packaging:	Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Dispose as dangerous waste.

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Further Information(s):

14. TRANSPORT INFORMATION

General information(s): Transport followed ADR, IMDG, IATA

UN N°: 3082

Land (Road / Railway: ADR/RID)

- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

- Class: 9

- Verpakkingsgroep: III

- ADR/RID-Labels: 9

- Code danger: 90

- Classification code: M6 274

- Packing instructions: P001 IBC03 LP01 R001

Sea (IMDG)

- Proper shipping name: MATIERE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N.S.A. - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

- Class: 9

- Packaging group: III

- Marine pollutant: .

- EmS number: F-A, S-F

- IMDG-Label(s): 9

- Packing instructions: P001 LP01

Air (ICAO/IATA)

- Proper shipping name: MATIÈRE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N.S.A.

- ICAO/IATA class: 9

- Packing group: III

- ICAO/IATA-Labels: 9

- Important remarks: Passager and cargo aircraft

15. REGULATORY INFORMATION

Labelling: According to european directives on classification, packaging and labelling of dangerous substances 67/548/ EC. Using the calculation method 88/379/ EC.

EC number: Not applicable.

Contains: • o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4]

Symbol(s): Xn - Harmful ; N - Dangerous for the environment



R-phrases(s):
10 Flammable.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
36/38 Irritating to eyes and skin.
48 Danger of serious damage to health by prolonged exposure.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s):
2 Keep out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water and soap
29 Do not empty into drains.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

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16. OTHER INFORMATION

Item nr 2 : R-phrases(s)

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.
R22 Harmful if swallowed.
R21/22 Harmful in contact with skin and if swallowed.
R36 Irritating to eyes.
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Important remarks:

Information in this safety data sheet is based on actual knowledge in our possession and our experience.
It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.
No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.

Uses or/and applications:

Settling accelerator for one K polyurethane resin.

Restrictions:

This information relates to the specific material designated and may not be valid in combination with other product(s).

History

- First edition date: 12/08/2005

- Previous revision date: 12/08/2005

- Review date: 17/01/2007

- Version: 2

Written by: TDD / FDS 36