

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: IPPLON WN1500

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Article: Plastic film

### 1.3 Details of the supplier of the safety data sheet

Company name: AIRTECH EUROPE SARL

Street/POB-No.: Z.I. Haneboesch

Postal Code, city: 4562 Differdange

Luxemburg

WWW: www.airtech.lu

E-mail: sales@airtech.lu

Telephone: +352-582282-1

Telefax: +352-584935

Dept. responsible for information:

Telephone: +352-582282-1, E-mail: sales@airtech.lu

### 1.4 Emergency telephone number

Airtech, Telephone: +352-582282-1

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Article not subject to hazard labelling or classification.

### 2.2 Label elements

#### Labelling (67/548/EEC or 1999/45/EC)

S phrase(s): not applicable

### 2.3 Other hazards

Harmful and/or toxic vapours may be produced in the event of thermal decomposition.

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterization: Plastic film on the basis of nylon

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EINECS 203-313-2 CAS 105-60-2	Caprolactam	< 1 %	EU: Xi; R36/37/38. Xn; R20/22. CLP: Acute Tox. 4; H302. Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.

Additional information: Article: According to EC directives or the corresponding national regulations the product does not have to be labelled.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- In case of inhalation: When fumes of molten material have been inhaled: Provide fresh air. If the casualty has difficulty breathing, call a doctor immediately.
- In case of skin contact: After contact with molten product, cool skin area rapidly with cold water. Do not peel solidified product off the skin. Seek medical attention.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After swallowing: Not a probable route of exposure.

### 4.2 Most important symptoms and effects, both acute and delayed

- In case of inhalation:  
Inhaling hazardous decomposing products can cause serious health damage.  
After contact with skin: The melted product can cause severe burns.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media:  
Water fog, foam, dry extinguishing powder, carbon dioxide.
- Extinguishing media which must not be used for safety reasons:  
High power water jet.

### 5.2 Special hazards arising from the substance or mixture

- Combustible.  
If heated to decomposition product may emit: Hydrogen cyanide, nitrogen oxides (NO<sub>x</sub>), hydrocarbons, carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters:  
Wear a self-contained breathing apparatus and chemical protective clothing.
- Additional information: Hazchem-Code: -  
Do not allow fire water to penetrate into surface or ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Handle in accordance with good industrial hygiene and safety practice.  
At processing: Do not breathe vapours. Avoid contact with skin, eyes, and clothing.  
Ensure adequate ventilation, especially in confined areas.

### 6.2 Environmental precautions

- Do not allow to enter into ground-water, surface water or drains.

### 6.3 Methods and material for containment and cleaning up

- Take up mechanically, placing in appropriate containers for disposal.

### 6.4 Reference to other sections

- Refer additionally to chapter 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation, and local exhaust as needed.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep in a cool place. Dry. Protect from direct sunlight.

Store only in original container. storage temperature: 20 - 25 °C, air humidity 50-55 %.

Storage class: 11 = Combustible solids

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
105-60-2	Caprolactam	Europe: IOELV: STEL	40 mg/m <sup>3</sup>
		Europe: IOELV: TWA	10 mg/m <sup>3</sup>
		Great Britain: WEL-STEL	20 mg/m <sup>3</sup> Dusts and vapour
		Great Britain: WEL-STEL	3 mg/m <sup>3</sup> (dust only)
		Great Britain: WEL-TWA	1 mg/m <sup>3</sup> (dust only)
		Great Britain: WEL-TWA	10 mg/m <sup>3</sup> Dusts and vapour
		Ireland: 15 minutes	3 mg/m <sup>3</sup> dust; IOELV
		Ireland: 15 minutes	40 mg/m <sup>3</sup>
		Ireland: 8 hours	1 mg/m <sup>3</sup> dust; IOELV
Ireland: 8 hours	10 mg/m <sup>3</sup>		

### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

#### Occupational exposure controls

Respiratory protection: At processing:  
If vapours form, use respiratory protection.

Hand protection: Recommendation:  
protective gloves according to EN 374.  
Glove material: nitrile rubber  
Breakthrough time: 480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Use protective gloves when handling hot molten mass. (According to EN 407).

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

At processing:

Do not breathe vapours. Avoid contact with skin, eyes, and clothing.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:	Physical state: solid, plastic film Colour: blue
Odour:	odourless
Odour threshold:	no data available
pH value:	no data available
Melting point/melting range:	250 - 258 °C
Boiling temperature/boiling range:	no data available
Flash point/flash point range:	combustible
Vapourisation rate:	no data available
Flammability:	no data available
Explosive properties:	no data available
Explosion limits:	no data available no data available
Vapour pressure:	at room temperature: negligible
Vapour density:	no data available
Density:	at 20 °C: 1.13-1.15 g/cm <sup>3</sup>
Water solubility:	insoluble
Partition coefficient n-octanol/water:	no data available
Autoflammability:	> 400 °C (ASTM D 1929)
Thermal decomposition:	> 300 °C
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

**9.2 Other information**

Additional information: no data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Refer to 10.3

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known.

**10.4 Conditions to avoid**

Protect from moisture contamination. Protect from direct sunlight.

**10.5 Incompatible materials**

Strong acids and strong oxidizing agents

**10.6 Hazardous decomposition products**

If heated to decomposition product may emit: Hydrogen cyanide, nitrogen oxides (NO<sub>x</sub>), hydrocarbons, carbon monoxide and carbon dioxide.

Thermal decomposition: > 300 °C

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Eye damage/irritation: Lack of data.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

### Symptoms

In case of inhalation:  
Inhaling hazardous decomposing products can cause serious health damage.  
After contact with skin: The melted product can cause severe burns.

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2. Persistence and degradability

Further details: Product is not biodegradable.

Effects in sewage plants: The insoluble part can be precipitated mechanically in suitable sewage treatment plants.

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water:  
no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 07 02 13 = Waste plastic.

Recommendation: Recycling or Incinerate according to applicable local, state and federal regulations.

**Contaminated packaging**

Recommendation: Waste key number 150101 - paper and cardboard packaging  
Waste key number 150102 - Plastic packaging  
Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

**SECTION 14: Transport information****14.1 UN number**

not applicable

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA: Not restricted

**14.3 Transport hazard class(es)**

not applicable

**14.4 Packing group**

not applicable

**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

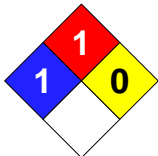
no data available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code: -

**National regulations - USA**

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

**15.2 Chemical Safety Assessment**

no data available

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H332 = Harmful if inhaled.

H335 = May cause respiratory irritation.

Wording of the R-phrases under paragraph 2 and 3:

R 20/22 = Harmful by inhalation and if swallowed.

R 36/37/38 = Irritating to eyes, respiratory system and skin.

Reason of change: General revision

Date of first version: 23/08/2007

### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programmes for employees.

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