

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

1.1 Product identifier

Trade name: DAHLAR® RELEASE-BAG 460

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

General use Article: Bagging film
For industrial purposes only

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

Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is classified as not hazardous.

2.2 Label elements

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

R phrase(s): not applicable

S phrase(s): not applicable

2.3 Other hazards

Harmful and/or toxic vapours may be produced in the event of thermal decomposition.
The hot material can cause burns.

SECTION 3: Composition/ information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterization (preparation):

Plastic film on the basis of nylon

Hazardous ingredients:

Ingredient	General name	Content	Classification
EINECS 203-313-2 CAS 105-60-2	Caprolactam	< 2 %	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.

SECTION 4: First aid measures

4.1 Description of first aid measures

- After inhalation: When fumes of molten material have been inhaled: Provide fresh air. In the event of discomfort seek medical treatment.
- 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. Subsequently consult an ophthalmologist.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No special measures are required.

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. At higher temperature risk of self-ignition.
If heated to decomposition product may emit: Hydrogen cyanide, nitrogen oxides (NO_x), hydrocarbons, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear self-contained breathing apparatus.
Wear full protective gear.

Additional information: Hazchem-Code: -

6.1 Personal precautions, protective equipment and emergency procedures

SECTION 6: Accidental release measures

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

not applicable

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling Provide good ventilation and/or an exhaust system in the work area.
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place. Protect from direct sunlight.
Store only in original container. Storage temperature: 20 - 25 °C, air humidity 50-55 %.
Protect from moisture contamination.

Storage class: 11 Combustible solids

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS No.	Chemical name	Type	Limit value
105-60-2	Caprolactam	Great Britain: WEL-TWA	(dust only) 1 mg/m ³
		Great Britain: WEL-STEL	(dust only) 3 mg/m ³
		Great Britain: WEL-TWA	(dust and vapour) 10 mg/m ³
		Great Britain: WEL-STEL	(dust and vapour) 20 mg/m ³
		Europe: IOELV: TWA	10 mg/m ³
		Europe: IOELV: STEL	40 mg/m ³

8.2 Exposure controls

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

Occupational exposure controls

Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection: Protective gloves when handling hot material according to EN 407.
Protective gloves according to EN 374.
Glove material: Nitrile rubber.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Eye glasses with side protection according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid (plastic film)
Colour:	clear
Odour:	odourless
Melting point / melting range:	> 212 °C
Autoflammability:	> 400 °C (ASTM D 1929)
Vapour pressure:	at room temperature: negligible
Density:	1,00-1,03 g/cm ³
Water solubility:	insoluble
Thermal decomposition:	> 300 °C

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Keep away from heat. At higher temperature risk of self-ignition. Protect from direct sunlight. Protect from moisture contamination.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Thermal decomposition: > 300 °C

SECTION 11: Toxicological information

11.1 Information on toxicological effects

In case of skin contact: The melted product can cause severe burns.
Symptoms: Pain, redness, oedema (swelling).

After eye contact: The melted product can cause severe burns.
Symptoms: Pain, redness, swelling of the conjunctive tissues.

General remarks

Inhaling hazardous decomposing products can cause serious health damage.

SECTION 12: Ecological information

12.1 Toxicity

Water Hazard Class: 1 = slightly hazardous to water

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

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 - IMDG: 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 - Germany

Storage class: 11Combustible solids

Water Hazard Class: 1 = slightly hazardous to water

National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

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 remarks

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

Group that issues data sheet

Contact person:

see chapter 1, department responsible for information.

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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