

Safety Data Sheet

according to ISO 11014 and 29 CFR 1910.1200

Printing date 09/13/2018

Version number 3


Reviewed on 11/06/2015

1 Identification

- . **Product identifier**
- . **Trade name:** Atlas Transfer Powder
- . **Article number:** 11
- . **Application of the substance / the mixture** Hotmelt adhesives
- . **Details of the supplier of the safety data sheet**
- . **Supplier:**
Atlas Screen Supply Company
9353 Seymour Avenue, Schiller Park, IL 60176
Phone 847-233-0515

- . **Emergency telephone number:**
Infotrac 800-535-5053

2 Hazard(s) identification

- . **Classification of the substance or mixture**
Combustible Dust May form combustible dust concentrations in air.
 - . **Label elements**
 - . **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
 - . **Hazard pictograms** Void
 - . **Signal word** Warning
 - . **Hazard statements**
May form combustible dust concentrations in air.
 - . **Classification system:**
 - . **NFPA ratings (scale 0 - 4)**
- 

Health = 1
Fire = 1
Reactivity = 0
- . **HMIS-ratings (scale 0 - 4)**
- | | | |
|------------|---|----------------|
| HEALTH | 0 | Health = 0 |
| FIRE | 1 | Fire = 1 |
| REACTIVITY | 0 | Reactivity = 0 |
- . **Other hazards**
 - . **Results of PBT and vPvB assessment**
 - . **PBT:** Not applicable.
 - . **vPvB:** Not applicable.

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3 Composition/information on ingredients

. **Chemical characterization:** Mixtures

. **Description:** Copolyamide

. **Dangerous components:**

105-60-2	epsilon-caprolactam	1-<5%
	⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	

4 First-aid measures

. **Description of first aid measures**

. **General information:** No special measures required.

. **After inhalation:** Seek medical treatment in case of complaints.

. **After skin contact:**

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product away from the skin.

Generally the product does not irritate the skin.

. **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

. **After swallowing:** If symptoms persist consult doctor.

. **Information for doctor:**

. **Most important symptoms and effects, both acute and delayed** No further relevant information available.

. **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

. **Extinguishing media**

. **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

. **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen cyanide (HCN)

. **Advice for firefighters**

. **Protective equipment:** Use self-contained breathing apparatus and protective fire fighting clothing.

. **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

. **Personal precautions, protective equipment and emergency procedures** Not required.

. **Environmental precautions:** No special measures required.

. **Methods and material for containment and cleaning up:** Pick up mechanically.

. **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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7 Handling and storage

- . **Handling:**
- . **Precautions for safe handling** No special measures required.
- . **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Dust can combine with air to form an explosive mixture.
- . **Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** None.
- . **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **Control parameters**
- . **Components with limit values that require monitoring at the workplace:**
National workplace exposure limits for airborne particles (respirable and inhalable dust) have to be observed.

105-60-2 epsilon-caprolactam

REL	Short-term value: 3** mg/m ³ , 0.66* ppm Long-term value: 1** mg/m ³ , 0.22* ppm *vapor; **dust
TLV	5* mg/m ³ *as inhalable fraction and vapor

- . **Exposure controls**
- . **Personal protective equipment:**
- . **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- . **Breathing equipment:** Not required.
- . **Protection of hands:** Protective gloves
- . **Material of gloves**
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.
- . **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- . **Eye protection:** Safety glasses
- . **Body protection:** Protective work clothing

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9 Physical and chemical properties

. **Information on basic physical and chemical properties**

. **General Information**

. **Appearance:**

Form:	Powder
Color:	White
Odor:	Nearly odorless

. **Change in condition**

Melting point/Melting range:	75 - 135 °C (167 – 275 °F)
Boiling point/Boiling range:	Not determined.

. **Flash point:** Not applicable.

. **Decomposition temperature:** > 300 °C (> 572 °F)

. **Auto igniting:** Product is not self igniting.

. **Danger of explosion:** Risk of dust explosion

. **Density at 20 °C (68 °F):** > 1.0 g/cm³ (> 8.35 lbs/gal)

. **Solubility in / Miscibility with**

Water: Insoluble.

. **Other information** No further relevant information available.

10 Stability and reactivity

. **Reactivity** Reacts with strong acids and oxidizing agents.

. **Chemical stability** No decomposition if used and stored according to specifications.

. **Possibility of hazardous reactions** Risk of dust explosion.

. **Conditions to avoid** No further relevant information available.

. **Incompatible materials:**

- Strong acids.
- Strong oxidizing agents.

. **Hazardous decomposition products:**

At temperatures above 250°C, depolymerization and the release of starting monomers can arise.

11 Toxicological information

. **Information on toxicological effects**

. **Acute toxicity:**

. **Primary irritant effect:**

- . **on the skin:** No irritant effect.
- . **on the eye:** No irritant effect.
- . **Sensitization:** No sensitizing effects known.

. **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

. **Carcinogenic categories**

. **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

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. NTP (National Toxicology Program)

None of the ingredients is listed.

. OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- . **Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behavior in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation:**
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.
- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| . UN-Number | Void |
| . DOT, ADR, ADN, IMDG, IATA | Void |
| . UN proper shipping name | Void |
| . DOT, ADR, ADN, IMDG, IATA | Void |
| . Transport hazard class(es) | Void |
| . DOT, ADR, ADN, IMDG, IATA | Void |
| . Class | Void |
| . Packing group | Void |
| . DOT, ADR, IMDG, IATA | Void |
| . Special precautions for user | Not applicable. |
| . Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

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. Transport/Additional information:	Not dangerous according to ADR/RID/IMDG/IATA.
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. UN "Model Regulation":	Void
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15 Regulatory information

. Safety, health and environmental regulations/legislation specific for the substance or mixture

. Sara

. Section 355 (extremely hazardous substances):

None of the ingredient is listed.

. Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

. TSCA (Toxic Substances Control Act):

All ingredients are listed.

. Proposition 65

. Chemicals known to cause cancer:

None of the ingredients is listed.

. Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

. Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

. Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

. Cancerogenity categories

. EPA (Environmental Protection Agency)

None of the ingredients is listed.

. NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

. GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

. Hazard pictograms Void

. Signal word Warning

. Hazard statements

May form combustible dust concentrations in air.

. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

. Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

*** Data compared to the previous version altered.**

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