

Safety Data Sheet
according to ISO 11014 and 29 CFR 1910.1200

Printing date 01/13/2016

Version number 3


Reviewed on 11/06/2015

1 Identification

- . **Product identifier** 400-520
- . **Trade name:** Transfer Powder
- . **Article number:** 11
- . **Application of the substance / the mixture** Hotmelt adhesives
- . **Details of the supplier of the safety data sheet**
 - . Lawson Screen & Digital Products, Inc.
5110 Penrose St.
St. Louis, MO 63115
- . **Information department:**
 - . Lawson Screen & Digital Products, Inc. 5110
Penrose St. St. Louis, MO 63115
- . **Emergency telephone number:**

**24 hr. CHEMTREC 1-800-424-9300 / International
1-703-527-3887**

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.

3 Composition/information on ingredients

- . **Chemical characterization:** Mixtures
- . **Description:** Copolyamide

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. Dangerous components:

105-60-2	epsilon-caprolactam	1-<5%
	⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, 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.
See Section 13 for disposal information.

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.

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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:**

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

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 selfigniting.

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

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- . **Density at 20 °C (68 °F):** > 1.0 g/cm³ (> 8.345 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.
- . **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.

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

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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**

. **DOT, ADR, ADN, IMDG, IATA** Void

. **UN proper shipping name**

. **DOT, ADR, ADN, IMDG, IATA** Void

. **Transport hazard class(es)**

. **DOT, ADR, ADN, IMDG, IATA**

. **Class** Void

. **Packing group**

. **DOT, ADR, IMDG, IATA** Void

. **Special precautions for user** Not applicable.

. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

. **Transport/Additional information:** Not dangerous according to ADR/RID/IMDG/IATA.

. **UN "Model Regulation":** Void

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.

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. 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.

. Contact:

Lawson Screen & Digital Products, Inc
5110 Penrose. St. | St. Louis, MO 63115
(314) 382-9300

. 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)
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, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3