.SAFETY DATA SHEET

Product name: Polymer Composites
Dated Prepared: Feb 23, 2016
Dated Revised: Feb 26, 2016

1.COMPANY IDENTIFICATION

Distributor (Company)
Name: NC Computers s.r.o.
Address: Nikoly Tesly 1095/10, 16000, Praha, Czech Republic
Telephone Number: +420-233-320-590

2.HEALTH HAZARD INFORMATION

GHS Classification:
This product is not hazardous under the criteria of U.S. Occupational Safety and Health Standard 29 CFR 1910 Subpart Z and United Nations GHS Parts 2, 3, and 4.
Potential Health Effects:
Eye: Dust and process vapors may irritate eyes.
Skin: Exposure to molten resin may cause thermal burns.
Inhalation: Dust and process vapors may cause respiratory tract irritation. Ingestion: Not Applicable

3.COMPOSITION / INFORMATION ON INGREDIENTS

:

Chimical name	CAS NO	WEIGHT %
Polylactide resin	901-89-2	>95%
Additives	-	<5%

4.FIRST-AID MEASURES

Eye Contact:
When it enters the eyes, if the eyes are rubbed, it may cause irritation or injure the cornea. Thus, wash with water without rubbing. Remove contact lenses immediately. In case of any abnormalities, receive the treatment of a physician.
Skin Contact:
Wash with water. if condensates of gas generated from the substance molten at high temperature comes into contact with the skin, wash well with soapy water.
Inhalation:
Judging from the shape, it is unlikely that the pellets will be inhaled. In case lots of fumes generated from high temperature molten resins are inhaled, move to a place having fresh air. In case of coughs or difficulty in respiration, receive the treatment of a physician.

Ingestion:

Although this is unlikely to happen, there is no acute toxicity even if it is swallowed. In case large amount of it is swallowed. Receive the treatment of a physician.

5.FIRE-FIGHTING MEASURES

Extinguishing Measures:

At the time of fire, high heat as well as gases containing dense black smoke, carbon dioxide, carbon monoxide, nitrogen oxides, etc. are generated. At the time of fire-fighting, wear proper protective clothing and respirators.

Extinguishing Media:

Water, water spray, and various kinds of fire-extinguisher may be used.

6.ACCIDENTAL RELEASE MEASURES

In case it is spilled on the road or floor, there is danger of slipping and falling. Thus, collect the spilled pellets and dispose of them.

If it is accidentally released, it may cause environmental contamination, so immediately collect all that have been released.

7.HANDLING AND STORAGE

Handling:

The gas generated at the time of processing may irritate the respiratory organs and skin. and when inhaled in large amount, vomiting and headaches may occur in certain individuals. Thus, avoid inhalation of such gases. In the case of mechanical processing (cutting, sanding, etc.), the fine dust generated by crushing may cause dust explosion by the static electricity and electrical sparks that are generated. Thus, aim at keeping the work place clean so that dust will not accumulate.

Storage:

Store in a place which is not exposed to the direct rays of the sun, and keep away from heat or ignition sources.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Equipment Countermeasures:

At the time of processing in high temperature, gas will be generated from the portion open to the atmosphere. Thus, in order to obtain comfortable work environment, it is desireable to install local ventilation.

Protective Equipment for Respiration:

In case of work which generates dust such as mechanical processing or sanding of resin products, dust respirator shall be worn. In case of work is done in a place having high concentration of generated gases or fumes, wear a chemical cartridge respirator (for organic chemicals).

Protective Goggles:

In case of work which generates dust such as mechanical processing or sanding of resin products, wear protective goggles made of plastics.

Protective Gloves:

When handling pellets, there is no special need of gloves, but when handing molten resins, wear gloves having good thermal insulation.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Natural
Vapor Pressure:	None
Volatility:	None
Melting point:	175℃～190℃
Specific Gravity:	1.24
Solubility:	Insoluble in water

10.STABILITY AND REACTIVITY

Flash point: None

Upper Explosion Limit: None

Lower Explosion Limit: None

Flammability:

Auto-ignitability: Auto-ignition Temperature is 466 ℃ (ASTM-D1929-77) Reactivity with Water: None

Oxidizability: None as far as ordinary storage and handling are concerned.

Self-Reactivity / Explosiveness:

Although there is no self-reactivity at normal temperature. When the temperature becomes high (280 ℃～400℃), the resin decomposes and generates decomposed gases. Thus, the molten resin shall be cooled rapidly with water.

Dust Explosiveness: Explosive

Stability / Reactivity:

None as far ordinary storage and Handling are concerned.

11.TOXICOLOGICAL INFORMATION

Skin Corrosiveness: None

Irritability (Skin, Eyes): There is physical irritability.

Allergenic and Sensitizing Effects: None

Acute Toxicity (Includes 50% Lethal Dose):

Sub-Acute Toxicity:	No Information
Chronic Toxicity:	No Information
Carcinogenic Effects:	No Information
Mutagenic Effects:	No information

Effects on the Reproductive System: No Information

Teratogenic Effects: No Information

Others (Includes generation of toxic gases by reaction with water, etc.)

12.ECOLOGICAL INFORMATION

Biodegradability: Not Biodegradable
Bioaccumulation : No Information
Fish Toxicity: No Information
Others: In order to prevent the marine animals and birds from ingesting it, it just not be abandoned or dumped in any ocean or water area.

13.DISPOSAL CONSIDERATIONS

It shall be handled in accordance with the laws, rules, and ordinances related to the disposal of waste matters.

14.TRANSPORT INFORMATION

Avoid wetting or rough handling so that the packaging will not be damaged. In case the bags are damaged and the pellets are scattered, pay attention so that no one will slip and fall. All of the materials that have spilled shall be rapidly collected.

15.REGULATORY INFORMATION

The Fire Services Act of Japan Specified Flammables (3,000 kg or above)

16.OTHER INFORMATION

References: 1)

Manual for Preventing the Discharging of Resin Pellets ／ Japan Plastics Industry Federation February, 1993.

The information described herein was prepared on the basis of the materials, information, and data available at the present time, and the above information may be revised by new knowledge. The precautionary items were based on ordinary handling. In case of special handling, safety measures in compliance with the application and usage shall be executed. The above was given as information, and no guarantee, express orimplied, is made. Final determination of safety and suitability of any material is the sole responsibility of the keeper and user. All materials may present unknown hazards, and therefore should be handled with adequate caution. Although certain hazards are described herein, they may not be the only hazards in relation to the products.