



GRAND PACIFIC PETROCHEMICAL CORPORATION
MATERIAL SAFETY DATA SHEET

GPPC Safety data sheet according to Regulation (EC)No.1907/2006
REACH,(EC)No.1272/2008(CLP)

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY
/UNDERTAKING**

PHONE NUMBERS

Emergency Medical (24 HOUR)	886-7-3513911
Emergency Transportation / CHEMTREC (24 HOUR)	886-7-3513911
Other Emergency Information (24 HOUR)	886-7-3513911
Non-Emergency Information	886-7-3513911

Company:

HEAD OFFICE: 8F, NO.135 DUNHUA N. RD., TAIPEI,10549 TAIWAN R.O.C.

TEL:886-2-21754567, FAX:886-2-25458760

KAOHSIUNG PLANT: NO.4 HSING KUNG RD. TA-SHE INDUSTRIAL DISTRICT

KAOHSIUNG, 81567 TAIWAN. R.O.C.

TEL:886-7-351-3911, FAX:886-7-353-0313

PRODUCT IDENTIFICATION

PRODUCT IDENTIFIER : Impact Modified Nylon 6,6 Alloy

PRODUCT NAME : GRAMID®Polyamide 6.6 N200ST

PRODUCT USE : May be used to produce molded or extruded articles or as a component of other industrial products.

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Production definition: substance

According to Regulation (EC)No.1272/2008(CLP)

No need for classification according to(EC)No.1272/2008(CLP) criteria for this product.

According to Directive 67/548/EEC

Possible Hazards

No specific dangers known, if the regulations/notes for storage and handling are considered.

Danger of burns while handling the hot product.

Label elements

Globally Harmonized System, (EC)No.1272/2008(CLP)

The product does not require a hazard warning label in accordance with (EC)No.1272/2008(CLP) criteria.

According to Directive 67/548/EEC.

The product does not require a hazard warning label in accordance with EC Directives.



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Other hazards

According to Regulation (EC) No 1272/2008 (CLP)

No specific dangers known, if the regulations/notes for storage and handling are considered.

EMERGENCY OVERVIEW

- Molten plastic can cause severe thermal burns.
- Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.
- The notes for storage and handling are considered. No specific dangers known.

HMIS Ratings : Health = 1; Flammability = 0; Reactivity-0,

POTENTIAL HEALTH EFFECTS

INGESTION : No hazard in normal industrial use.

SKIN ABSORPTION : No absorption hazard in normal industrial use.

EYE CONTACT : No more than slightly irritating to eyes.

SKIN CONTACT : No more than slightly irritating to skin.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Components listed below are physical or health hazards as defined in the Hazard Communication Standard. The quantities represent typical or average values for the materials shown.

<u>Component Name</u>	<u>%</u>	<u>CAS Number</u>	<u>ACGIH TWA</u>
Impact Modified Nylon6.6 Alloy	100	32131-17-2/26221-73-8	None

4.FIRST AID MEASURES

EYES : In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.

SKIN : In case of melt, wash affected skin area and clothing with water. Seek medical advice.

INHALE : In case of inhale, move to fresh air.

5.FIRE FIGHTING MEASURES

FIRE FIGHTING EQUIPMENT : Do not enter fire area without proper protection including self contained breathing apparatus. Fight fire from a safe distance



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and a protected location due to the potential of hazardous vapors and decomposition products.

EXTINGUISHING MEDIA : Water spray and foam. Carbon dioxide and dry chemical.

HAZARDOUS COMBUSTION PRODUCTS : smoke, nitrogen oxides, carbon dioxide, carbon monoxide, ammonia, hydrogen cyanide

SPECIAL FIRE CONDITIONS : Other toxic substances are possible.

6. ACCIDENTAL RELEASE MEASURES

GENERAL : Must sweep up resin on the ground and remove to eliminate slipping hazard. Collect and discard in regular trash. Avoid the generation of dusts during clean-up. Allow molten material to solidify before disposal.

7. HANDLING AND STORAGE

HANDLING : Protection against fire.

STORAGE : Store in a dry place. Seal up with aluminum when not to be used.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS : To process resin at high temperature, provide the good ventilation system. Local ventilation requirements must be determined to limit exposure to processing fumes in the workplace.

PERSONAL PROTECTION

EYE : Use safety glasses to avoid eye contact. In addition, use full face shield when cleaning processing fume condensates from hoods, ducts, and other surfaces.

SKIN : When handling molten resin , avoid prolonged or repeated contact with skin. Wear long pants, gloves long sleeves, well insulated gloves. Appropriate clothing-including chemical resistant gloves-should be worn to prevent contact with processing fumes condensate.

INHALED : When using this product at elevated temperatures, implement engineering systems, administrative controls, or a respiratory protection program (including a respirator approved for protection from organic vapors, acid gases, and particulate matter). If dust are produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

9. PHYSICAL AND CHEMICAL PROPERTIES



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PHYSICAL FORM : Granules
ODOR : Odorless
COLOR : Various, depending on the colourant
BOILING POINT : Not applicable
MELTING POINT : 254~266°C
FLASH POINT : >300 °C
SPECIFIC GRAVITY : 1.04~1.10 g/cm³
SOLUBILITY IN WATER : Insoluble in water
VAPOR PRESSURE : None
VAPOR DENSITY : None

10. STABILITY AND REACTIVITY

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

REACTIVITY : Net reactive under recommended conditions of handling, storage, processing and use.

CONDITIONS TO AVOID : Decomposition temperature > 300°C , decomposition products nitrogen oxides, carbon dioxide, carbon monoxide, ammonia, hydrogen cyanide

11. TOXICOLOGICAL INFORMATION

ACUTE HEALTH HAZARDS

EYE CONTACT : Products are not primarily considered eye irritant.

SKIN CONTACT : Products are not primarily considered skin irritant.

SUBCHRONIC HEALTH HAZARDS

SUBCHRONIC TOXICITY : No data available.

CHRONIC HEALTH HAZARDS

CARCINOGENIC

NTP : Not Tested.

OSHA : Not Regulated.

IARC : Not Listed.

12. ECOLOGICAL INFORMATION

GENERAL : These materials are not expected to be harmful to aquatic organisms.

The product is insoluble in water, so it will not be bio-available.



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Because of not to be Biodegradable, it just not be abandoned in water or ocean.

13. DISPOSAL INFORMATION

WASTE DISPOSAL : Recycling is encouraged. Landfill or incinerate must be according to local regulations. Collected processing fumes condensates and incinerator ash should be tested to determine waste classification.

14. TRANSPORTATION INFORMATION

Avoid wetting so that the packaging will not be damaged.
Land transport : No regulation. Fit for transportation.
SEA transport : No regulation. Fit for transportation.
AIR transport : No regulation. Fit for transportation.

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT(TSCA) :
The components of these products are in compliance with all rules and orders of TSCA.
WHMIS PRODUCT CLASSIFICATION : Not controlled products.

16. OTHER INFORMATION

Prepared by : Product Stewardship
DISCLAIMER : This Safety Data Sheet [SDS] information is provided based on the Hazard Communication Regulations for your region or country and for the use of the persons required to receive this information under those regulations. The information is neither designed nor recommended for any other use or for use by any other person, including for compliance with other laws. Does not warrant the suitability for use of this SDS for any other material or product not specifically identified herein. Does not warrant the accuracy or authenticity of this SDS unless it has been obtained directly from GRAND PACIFIC PETROCHEMICAL CORPORATION, or posted or viewed on a website. Modification of this SDS, unless specifically authorized by GRAND PACIFIC PETROCHEMICAL CORPORATION, is strictly prohibited. This SDS is based on information which is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not under control, each user is responsible for making its own determination as to the safe and proper handling of this material in its own particular use of this material. GRAND



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