Material Safety Data Sheet
—Holder of Sanitary Cooking Knife for Professional Cook —

Serial Number: P10405-00

Product Name: **Prime Polypro J707G**

Issue date: Sept. 21 2010

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1. Product and Company Identification

Product name: Prime Polypro J707G

Company name: Prime Polymer Co., Ltd.

Address: 1-5-2 Higashi Shinbashi, Minato-ku, Tokyo

Department in charge: Quality Assurance Dept.

(tel: 03-6253-4630, fax: 03-6253-4984)

Recommended use of the product and restrictions: Mold Injection

2. Hazardous Identification

Significant Hazardous Identification and its influence:

Hazard and Influence to human health: No special Acute Action to human body as the product is of High-Molecular Compound and of Physiologically Inertness. The Gas arising from high temperature Molten Resin may provide impetus to Eyes, or Respiratory Organ.

Environmental Consequence: While it may be a cause of Environmental Pollution for taking long time to be resolved, it is also supposed to be less toxic as a water solubility of a Polymer is ignorable.

Physical and Chemical Hazardous Nature: Stable under a normal handling conditions. A certain possibility of Dust Burst if powdered by friction or else.

Particular Hazard: If remained on a floor, the spot would become slippery.

GHS Classification

Explosives	Out of classification
Flammables/flammable gasses	Out of classification
Flammables/flammable aerosol	Out of classification
Combustion support/oxidizing gasses	Out of classification
High pressure gasses	Out of classification
Flammable liquids	Not classifiable
Flammable solids	Out of classification
Self-reactive chemicals	Out of classification

Spontaneous combustion liquids	Out of classification
Spontaneous combustion solids	Out of classification
Self-heating materials	Out of classification
Self-heating material by reacting to water	Out of classification
Oxidizing liquids	Out of classification
Organic peroxide	Out of classification
Metal corrosive substance	Not classifiable
Acute toxicity (oral)	Not classifiable
Acute toxicity (skin)	Not classifiable
Acute toxicity (inhalation: Gas)	Out of classification
Acute toxicity (inhalation: Vapor)	Out of classification
Acute toxicity (inhalation: Dust, Mist)	Out of classification
Skin corrosive/irritation	Not classifiable
Serious eye damage/eye irritation	Not classifiable
Sensitization to respiratory organ	Not classifiable
Sensitization to skin	Not classifiable
Variation to original generative cell	Not classifiable
Cancer-causing	Not classifiable
Toxicity to reproduction cell (influence to breast-feeding)	Not classifiable
Specific target to internal organ/ systemic toxicity (single exposure)	Not classifiable
Specific target to internal organ/ systemic toxicity (repeat exposure)	Not classifiable
Toxicity to absorption respiratory organ	Not classifiable
Toxicity to aquatic environment (acute)	Not classifiable
Toxicity to aquatic environment (chronic)	Not classifiable

GHS Label Elements

Symbols:	Not concerned
Signal Word:	Not concerned
Hazardous information:	Not concerned
Instructions:	Not concerned

3. Information on Composition and Ingredients

Distinction on Single Chemical agent or Compound : Compound

Composition and content

Name of Ingredient	Contained amount wt. %	CAS #	File Number of Official Notice		Notify Party	Act of PRTR	PMCL
			AECS	HSWA			
Ethylene Propylene Copolymer	>99	9010-79-1	(6)-10	-	NC	NC	NC
Additive Agent (Antioxidant etc)	<1	ND	ND	ND	NC	NC	NC

* Note to the above chart : Detail of the abbreviation being used

AECS: Act on the Evaluation of Chemical Substance and Regulation of Their Manufacturer

HSWA: Health and Safety at Work etc. Act

PMCL: Poisonous Material Materials Control Law

NC: Not Concerned

ND: Non Disclosure

4. First-aid Measures

In case of Inhalation

If anybody inhaled high temperature molten Resin, move a person to a place with full of fresh Air. If any further change in symptoms, report to a doctor to attend the person. When the victim keep breathing with vomiting, immediately move the head sideways, not looking up ceiling direction. Any symptom on breathing system, immediately let a doctor attends to the victim. In case the victim's breathing stop, or became weak, loosen up the wear, securing a respiratory airway, then apply an artificial breathing (or, Oxygen inhalation). Keep the victim warm, by applying blanket, or else, and fully rest condition, for doctor's attendance.

In case of Skin Contact

Slip off own wear, shoes and else. Wipe off any attached product. Rinse off further by water, or lukewarm, using a soap. Any irritation, or anthema, on skin, ask a doctor to attend. If any molten resin attached to the skin, pour a mass of water on the top of clothing to fully cool off the area. If any molten resin attached to the skin, or a clothing, don't try to pull off such resin, or clothing, but ask a doctor to attend.

In case of Eye Contact

Immediately rinse the eyes with clean water for longer than 15 minutes. When rinsing, if one can, open widely eyelids as wide as possible so as the water goes to every corner of eyeballs and lids. In case of a contact-lens user, if it is not stuck, remove it to fully rinse the eye. If any feeling of foreign body remains, immediately ask a doctor to attend.

In case of Ingestion

Fully wash down inside of a mouth by water. Let the victim drink several cups of water, or milk, then let a doctor attend. If possible, let the victim exhale from a mouth by sticking a finger into the mouse. In case the victim fell into unconsciousness, don't give anything through the mouth.

5. Fire-fighting Measures

Extinguishing media: Misty water, Powder, Carbon Dioxide, Bubble

Prohibited media: Blowing out water in rod-shape

Specific hazards in case of fire-fighting: It might cause explosive air-fuel mixture by being mixed up with air, under a condition of firing, to cause degradation by heat.

Specific methods of fire-fighting: Immediately remove those movable containers to any safe place. If possible, cool off surrounding installations by water.

Protection for firefighters (protective equipment and else): Prohibit those unconcerned person come closer to the location of fire started. Use any available protective equipments for fire fighting, according to the degree of fire.

6. Measures to be taken for accidental release

Personal notice, Protective equipment and measures to be taken at emergency:

Let any non-concerned person enter to the area by stretching a rope, or elase. When get engaged in fire fighting, wear a protective equipment to avoid touching to the substance, or inhaling the dust. Pay attention to a spot where the product released as it should become slippery. Gas being released from the high temperature molten resin shall be possible to stimulate eyes or human breathing system.

Environmental precaution:

While it may cause Environmental Pollution as it takes long time to be

resolved, it is also supposed to be less toxic as a water solubility of a Polymer is ignorable. To prevent any affection to the environment, however, it is recommended not to release to nearby river and else. As those creatures in the sea, or birds, may eat the pellet, or the powder, in error you must not throw away any portion of such release to the ocean, or rivers, by all means.

Cleaning and seal off method of the product and equipment available:

Any such flew away chips should be collected into a paper bag, or a drum can. Anything released in molten condition shall be cooled off by water and be collected after it become solid.

Prevention of secondary hazards:

Get rid of any possible ignition material immediately after the fire. Use only those safe tools free from emitting spark discharge.

7. Handling and Storage

Handling

Technical Measures:

Use Explosion-Proof electric equipment, ventilating device, lighting equipment. Use any kind of tools not to strike a spark.

Use Explosion-Proof electric equipments to have countermeasure against static electricity.

The place where the product shall be handled, air should be well ventilated and use of fire, spark, high-temperature item should be banned.

Prevent the product from to be inhaled, or to contact to a skin. Wear any suitable protective equipment to prevent the product enter into human eyes

Have an equipment for hand-wash, eye-washing closer to the place where the product is to be handled. Wash hands, face and other area of the body thoroughly after the use of the product.

Local exhaust ventilation/Whole ventilation:

Handle the product only within a place where the local exhaust ventilation is available, or where the whole ventilation equipment is available.

As the product has a possibility of causing Dust Explosion, prevent any accumulation of the product in a place.

Precautions for safe handling:

Get an Instruction Manual before you use the product.

Until you read and fully understand those Safety Precaution on the manual, you should not handle the product.

During the usage of the product, you should not eat anything, or smoke.

Handle the product only in a place where Local exhaust ventilation/Whole ventilation available.

Handle the product properly to prevent generating dust, or high temperature molten resin gas.

To prevent any contact with fused material, wear an appropriate personal protective equipment.

As the pellet or powder of the product, if remained fixed on the floor, become slippery, always clean the floor to remove them.

Storage

Appropriate storage condition

Prevent direct daylight, and keep away from fire or heat source when store.

Store the product in well-ventilated and cold dark place. Don't store at high temperature, high humid place.

To store the product indoor is a first principle.

Safe packaging material: Quasi-material to the original packaging material.

8. Exposure controls / Personal protection

Countermeasure by equipment:

Equip with whole ventilation at a place the product is handled.

Use air-tight equipment/machine, or use the product at a place within local exhaust ventilation, as much as possible.

Have an equipment for wash eyes and body closer to the place where the product is used.

Permissible density:

Component name	Controlled Density under SHR	JIHA		ACGIH (TLV-TWA)	
		Inhalant Dust	Total Dust	Respirable Dust	Inhalant Dust
		(mg/m3)	(mg/m3)	(mg/m3)	(mg/m3)
Polypropylene	not yet set	2	8	3	10

* Note to the above chart

JHIA: Japan Industrial Hygiene Academy

SHR: Safety and Hygiene Regulations

Protective equipment

Protective equipment for Respiratory Apparatus:

Use only designated personal equipment. Dust-proof Mask.

Protective equipment for Hands:

Use only designated personal equipment. Protective Glove.

Protective equipment for Eyes:

Use only designated personal equipment Protective Glasses (Goggle), Protective Mask.

Protective equipment for Skin and Body:

Use only designated personal equipment. Safety Hat, Protective Clothing, Safety Shoe.

9. Physical and Chemical Properties

Product

Physical state: Solid

Form: Pellet

Color: White, or Creamy white

Odor: Almost none

Flashpoint: no data

Auto-ignition temp.: >280 (degree C) ASTM E659

Range of burning or burst: no data

Gravity: 0.89-0.92 (23 deg. C)

Solubility: Water: almost non

Resolution temp.: no data

10. Stability and Reactivity

Stability: Stable under normal handling.

Possible Hazardous reaction: React to Oxidant.

Conditions to avoid: Refrain from storing under high temperature and high humidity.
Refrain from direct contact with fire source.

Hazardous substance to mix, or to dissolve: Refrain from blending with, or contacting to, oxidant

Hazardous decomposition product: Carbon Monoxide, Carbon Dioxide, Carbon

Hydride and its oxide material

11. Toxicological Information

Product

Acute Toxicity (Oral): No data

Acute Toxicity (Skin): No data

Acute Toxicity (Inhale): No data

Skin Corrosive Nature: No data

Serious Eye Damage / Eye irritation: No data

Respiratory Organs Sensitization: No data

Original Generative Cell Variation:

AMES Test: No data

Abnormal Chromosome Test: No data

Cancerous Primeval: IARC:3 (as Polypropylene)

Reproduction Toxicity: No data

Specific Target Internal Organ / Toxicity to whole body (single revelation):

No data

Specific Target Internal Organ / Toxicity to whole body (repeated revelation):

No data

Absorption Respiratory Organs Toxicity: No data

12. Ecological Information

Product

Toxicity to Biology

Acute Toxicity to Fish: No data

Acute Toxicity to Water Flea: No data

Acute Toxicity to Algal growth: No data

Chronic Toxicity to Fish: No data

Chronic Toxicity to Water Flea: No data

Chronic Toxicity to Algal growth: No data

Persistency / Degradability: Long time non degradability in environment:

Cumulative to biological body: No data

Mobility in soil: No data

13. Consideration for Disposal

Method to dispose: In case of Incineration Disposal, keep the temperature of Firing Chamber at 800 deg.C or higher so as to completely break down the product. To take legal procedure of whole related regulations, charge the job to

those authorized firm by the Prefectural and City Governments. In case you may dispose the container, do so after completely remove the content from it.

14. Transport Information

Classification by the United Nations: Correspond to none of Toxic item under classifications by the United Nations.

15. Regulatory Information

Fire Defense Law: Designated Combustible Material
((Synthetic Resin) Formed: 20m3, Others: 3000Kg)

Poisonous Material Control Law: Not applicable

Industrial Safety and Health Law: Not applicable

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacturer, etc.: Not applicable

PRTR: Not applicable

Foreign Exchange and Foreign Trade Control Law, Export Trade Control Order: An Export Permit is required, in case of export, for the items classified under the item 16 of the Appendix (Catch-all control substance – in Objective Requirement, Inform etc.)

16. Other Information

Remarks:

As the product is in the form of Pellet so that the degummed chemical substance does not fly apart by itself. For your information, the Hazardous Identification being listed as the item 2 on this SDS, the classified result according to JIS 27252 : 2009, as Categorization Criteria (GHS Classification), is shown on this sheet.

Books for reference:

Series of Safety Check Data on existing Chemical Substance according to the Act on the Evaluation of Chemical Substance (issued by the Chemical Inspection & Testing Institute)

International Chemical Substance Safety Card, Japanese language version (issued by the Chemical Industry Daily News Company)

Directory of Environmental Chemical Material (issued by the Scientific Study Group of Environmental Chemicals in the Environmental Agency)

Data of our own company

SDS issued on the Raw Material

Data Book for Safe Control of Chemical goods (issued by the Chemical Industry Daily News Company, year 2000 edition)

A Manual to avoid outflow of Resin Pellet (Japan Plastic Industry League, year 1993 edition)

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans RTECS (U.S. Department of the Health and Human Service)

Method of Classification of Chemical Agent etc. based on GHS JIS 27525：2009

Disclaimer Information:

While the content and description above are prepared based on the available information at this moment, it does not mean any guarantee for the data shown, or evaluation to them, by all means. Evaluation result of hazardous nature of the substance may be revised by any new perception. Additionally, any writing for the corresponding product covers only under its normal usage. Any other application, or use the product with any combination of other component shall be subject to usage under any additional and other measures of safety.