



Vikas Global One Ltd.

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## Material Safety Data Sheet

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# V-pet

## POLYETHYLENE TEREPHTHALATE (PET) – R

### ➤ Product Description:

- PET is a linear thermoplastic resin that is created by the condensation of tetrachthalic acid and ethylene glycol. There are several advantages of using PET, especially when it's being used for packaging. PET does not break easily. The substance also provides a long shelf life because it acts as a good barrier to elements outside of the container.

➤ CAS No. : **25038-59-9**

### ➤ Physical & Chemical Properties:

|                  |                       |
|------------------|-----------------------|
| Flow ability     | Free Flow             |
| Bulk Density     | 880 Kg/M <sup>3</sup> |
| I.V.(dl/gm)      | 0.72± 0.02            |
| Colour b Gardner | < 2.0                 |
| Melting Point    | 240 ° C               |
| Fine(< 0.5 mm)   | < 0.1 %               |
| pellet Size      | 3 mm                  |
| Moisture         | < 0.1 %               |

### ➤ Product Use:

- Mainly used for mineral water ,soda packaging application.

### ➤ POTENTIAL HAZARDS INFORMATION:

#### FIRE HAZARD:

- FLASH POINT:** NOT APPLICABLE (NON-VOLATILE)
- FLAMMABLE LIMITS:** NOT DETERMINED
- EXTINGUISHING AGENTS :** WATER SPRAY, DRY CHEMICAL POWDER, AND CARBONDIOXIDE.

- **SPECIFIC MEASURES FOR FIRE PROTECTION:** WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
- **USUAL FIRE & EXPLOSION HAZARDS:** REFER TO **NFPA PAMPHLET NO.654**, "PREVENTION OF FIRE AND DUST EXPLOSIONS IN THE CHEMICAL, DYE, PHARMACEUTICAL AND PLASTICS INDUSTRIES".

 REACTIVITY:

- GENERALLY STABLE, OXIDIZING MATERIALS CAN CAUSE A REACTION.

 HEALTH HAZARDS:

- **ACUTE-SWALLOWED:** SOLID OR DUST IS CONSIDERED NON-TOXIC IF SWALLOWED. MAY CAUSE PHYSICAL IRRITATION TO GASTRO-INTESTINAL TRACT.MAY CAUSE CHOKING IF SWALLOWED. UNCOMFORTABLE IF SWALLOWED, INGESTION MAY RESULT IN NAUSEA, ABDOMINAL IRRITATION, PAIN AND VOMITING.
- **ACUTE-EYE:** PELLETS AND FINES MAY SCRATCH EYE SURFACES AND CAUSE MECHANICAL IRRITATION TO EYES. THE VAPOUR FROM HEATED MATERIAL OR SUSPENDED DUST MAY CAUSE DISCOMFORT TO EYES.
- **ACUTE-SKIN:** SKIN CONTACT MAY RESULT IN MECHANICAL INJURY OR ABRASION.

 FIRST AID MEASURES:

- **SWALLOWED:** NOT PROBABLE. NO SPECIAL TREATMENT SHOULD BE REQUIRED. IF UNCOMFORTABLE SEEK MEDICAL ADVICE.
- **EYE:** FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
- **SKIN:** MOLTEN PLASTIC CAUSES SEVERE THERMAL BURNS. COOL RAPIDLY WITH WATER AND SEEK MEDICAL ATTENTION. DO NOT PULL OFF THE SKIN.IN CASE OF CONTACT WITH CONDENSED PROCESSING FUMES, IMMEDIATELY FLUSH THE AREA WITH PLENTY OF WATER.REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
- **INHALED:** IF FUMES ARE INHALED, REMOVE PERSON TO FRESH AIR. IF BREATHING DIFFICULT GET MEDICAL ATTENTION.

 HANDLING & STORAGE:

❖ HANDLING:

- USE PERSONAL PROTECTIVE DISCRETION, AVOID PROLONGED DIRECT CONTACT.
- WASH THOROUGHLY AFTER HANDLING, KEEP THE CONTAINERS CLOSED.

❖ STORAGE:

- INDOOR STORE IN A COOL DRY AREA. AVOID STORAGE WITH OXIDISING AGENTS, ACIDS, ACID CHLORIDES AND ACID ANHYDRIDES.

➤ TRANSPORTATION:

NOT REGULATED

➤ DISPOSAL:

- REFER TO ALL FEDERAL, STATE AND LOCAL REGULATIONS PRIOR TO DISPOSITION. IF UNABLE TO MANAGE , CONTACT A FACILITY THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS

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➤ PREPARATION DATE:

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