



VIKAS ecOTECH LTD.

(Formerly Vikas GlobalOne Ltd.)

www.vikasecotech.com

Material Safety Data Sheet

Updated on: 1ST January 2016

V-pet

POLYETHYLENE TEREPHTHALATE (PET) – R

➤ Product Description:

- PET is a linear thermoplastic resin that is created by the condensation of tetrphthalic 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 ³
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 DISCONFORT 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 PULLOFF 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

➤ **PREPARED BY:**

Sr. CHEMIST

➤ **PREPARATION DATE:**

January 1st, 2016

Disclaimer:

IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate as of the date. Since the conditions and methods of use of the product and of the information referred to, are beyond our control. Vikas Ecotech Ltd. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Before handling this material, read and understand the MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information.