



RECYCLING OF PACKAGING PLASTICS

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ABSTRACT

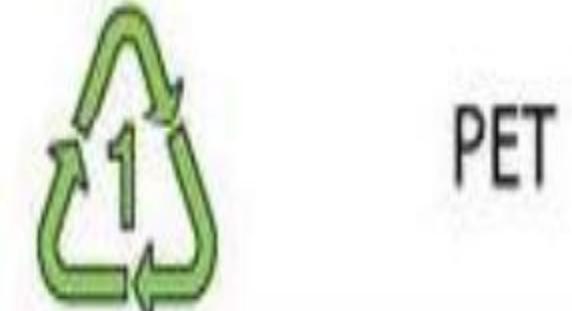
- ❖ Packaging is the technology of enclosing or protecting products for distribution, storage, sale, and use.
- ❖ Packaging also refers to the process of design, evaluation, and production of packages.
- ❖ Packaging can be described as a coordinated system of preparing goods for transport, warehousing, logistics, sale, and end use.
- ❖ Packaging contains, protects, preserves, transports, informs, and sells. In many countries it is fully integrated into government, business, institutional, industrial, and personal use.

1. POLYETHYLENE TEREPHTHALATE(PET)

2. POLYVINYL CHLORIDE(PVC)

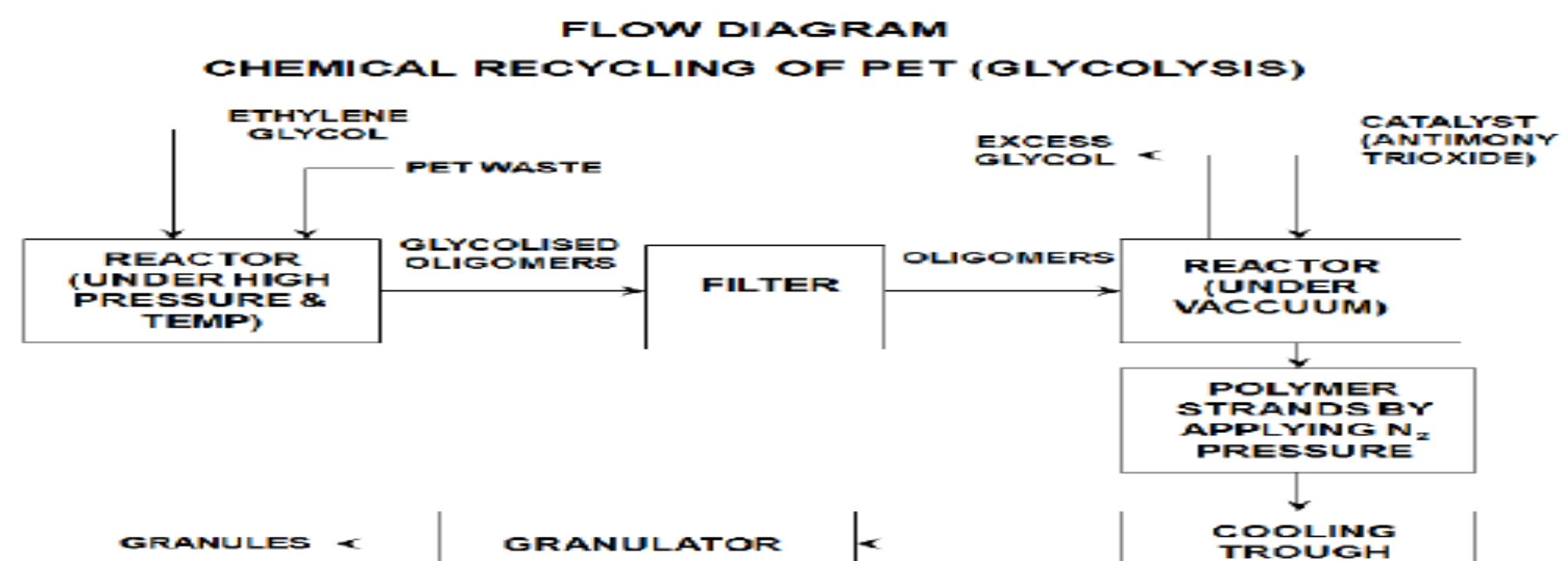
1. POLYETHYLENE TEREPHTHALATE(PET)

PRODUCTS:



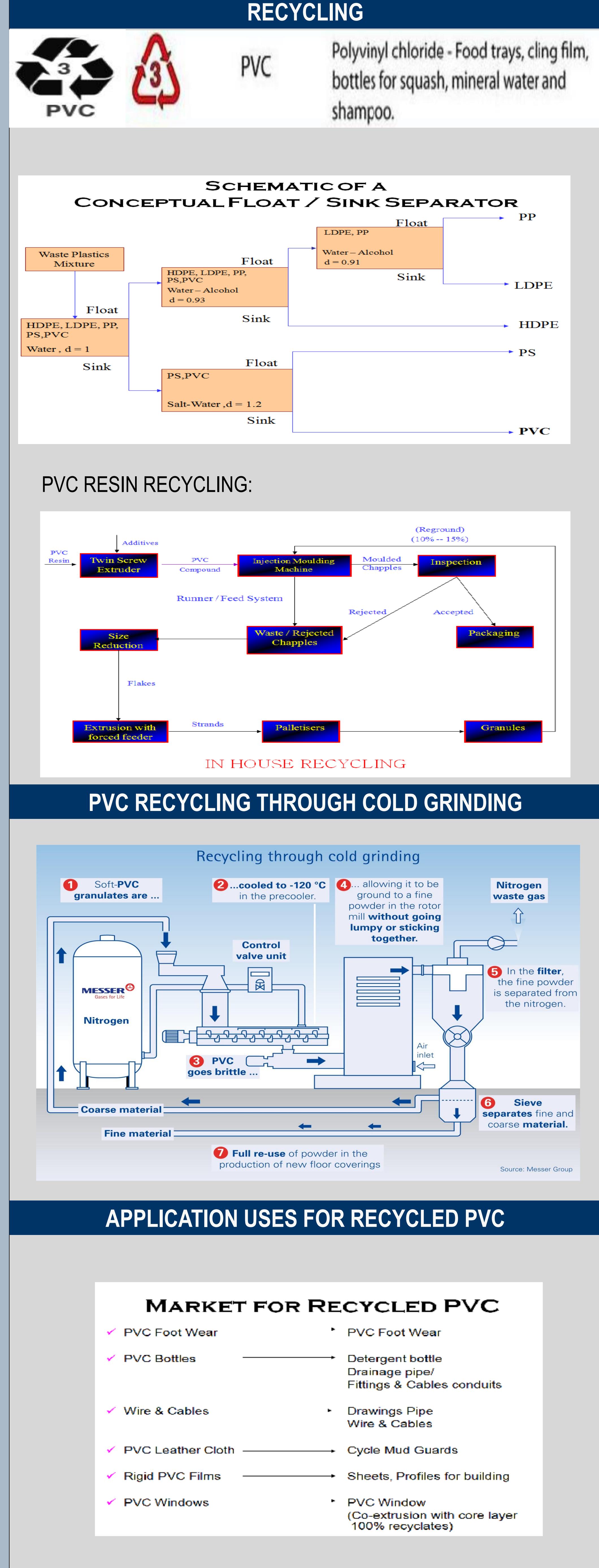
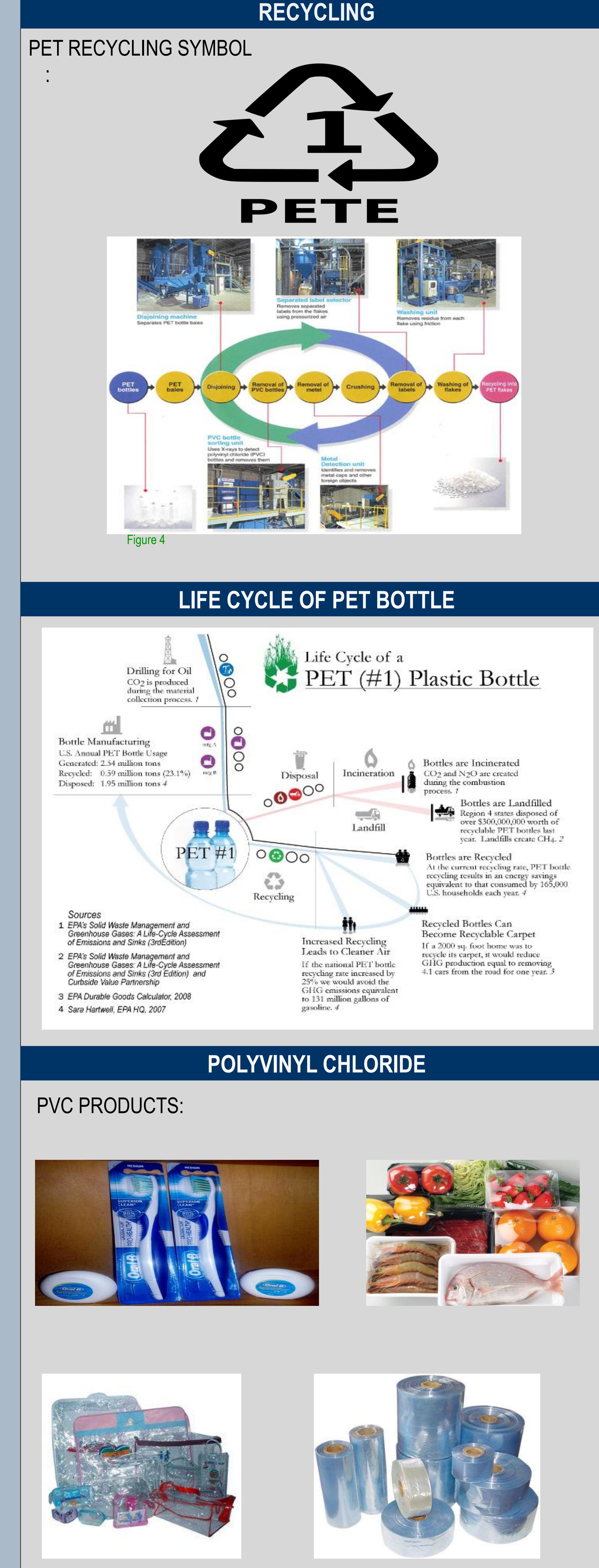
Polyethylene terephthalate - Fizzy drink bottles and frozen ready meal packages.

PET RECYCLING FLOW DIAGRAM:



Applications for Recycled PET Bottles Fibres

- In staple form for fillings e.g., anoraks, bedding, cushions and furnishings.
- Industrial fibres for belting, webbing, scouring/cleaning pads, filters, cleaning cloths and geotextiles.
- Other textiles like carpets, upholstery fabrics, interlinings, protective clothing and other garments.



CONCLUSION

ADVANTAGES

- ❖ No Pre-processing like washing & disposing contaminated water
- ❖ Reduction in Landfill volume
- ❖ Prevents Toxic emissions, otherwise burnt
- ❖ Advanced & proven technology
- ❖ No pollution / No toxic emissions / No Odor
- ❖ High availability of material
- ❖ Creating ENERGY

This technology will help clean the municipal waste.

RECOMMENDATIONS

- Implementation of Comprehensive Packaging Waste Rule Similar to those Prevailing in Developed Countries
- Proper Implementation of Municipal Solid Waste (Management & Handling) Rule, 2000 Of Moef, GOI
- Uniform Plastic Carry Bag Thickness Rule in the Entire Country And Proper Implementation of the Same
- Encouragement And Incentives For Recycling Activity As Per Recommendation in the Supreme Court Committee Report On Solid Waste Management In Class I Cities of India - 1999
- Mandating Co-processing of Plastics Waste in All

CONCLUSION

In Conclusion, Plastics Waste Recycling Facilitate...

- Clean Environment
- Employment opportunities
- Economical Products
- Manufacturing of numerous recycled products which substitute conventional materials for cost effectiveness. viz. Synthetic wood, garden furniture, pallets, fencing post, etc.
- Business opportunities

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