



DHUNSERI PETROCHEM LTD

MATERIAL SAFETY DATA SHEET

(As per Regulation (EC) 1907/2006)



ASPET (AS19C, AS20C, AS21C, AS19CF, AS20CF, AS21CF, AS22CJ, AS20HF, AS25H, AS16WOI, AS18H)

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- 1.1 Product Details: ASPET grade Polyethylene Terephthalate(PET) resin
- Product Code: AS19C, AS20C, AS21C, AS19CF, AS20CF, AS 21CF, AS22CJ, AS20HF, AS18H, AS25H & AS16 WOI
- 1.2 Application of Substance: Thermoplastic processing mainly Injection blow moulding of PET bottles, jars, containers and extrusion of sheets, films & straps
- 1.3 Identification details of Company/ Undertaking
- 1.3.1 Manufacturer: **Dhunseri Petrochem Ltd.**
DHUNSERI HOUSE,
4A Woodburn Park. City,
Kolkata -700 020.India
Tel : +91- 33-22806972, 22892469 / 22836130/33
/ 033-22836128
Fax : +91-33-2283 4216
- 1.3.2 Contact details of person Responsible in EU: Attn: Mr. Shisir Kumar
Sustainability Support service(Europe)AB
Markaskatsvagen 6,22647, Lund, Sweden
Tel: +46 -462850417, 462850418
Email: sk@reach-onlyrep.eu
- 1.4 Emergency Telephone: +91-3224-275947, 273741

2. HAZARD INFORMATION

Classification:	Not Applicable
Classification as per(EC) No 1272/2008	Void
Classification according to Directive 67/548 /EEC or Directive 1999/45/EC	Not Applicable
Information concerning particular hazards for human and environment	Not Applicable

Label elements(Labelling according to Regulation (EC) No 1272/2008)

· Hazard pictograms	Void
· Signal word	Void
· Hazard-determining components of labeling:	Void
· Hazard statements	Void

· Labeling according to EU guidelines:

The substance is not subject to classification according to EU lists and other sources of literature known to us. Observe the general safety regulations when handling chemicals.



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3. COMPOSITION INFORMATION ON INGREDIENTS

3.1 Composition :

Chemical Identity	CAS No	EINECS/ ELINCS No	Conc. (%)	EC Classification
Polyethylene Terephthalate	24938-04-3	NA	>99	Not listed
Hazardous Ingredient	NA	NA	None	NA

3,2 Solvents: None

3,3 Special Components: Contains non hazardous (as per OSHA hazard communication Standard 29 CFR 1910.1200) additives and catalyst in minor Quantity which are embedded in polymer and not released on normal use.

4. FIRST AID MEASURE

- Inhalation:** Move the exposed person to fresh air at once. Obtain medical attention if recovery does not occur.
- Skin contact:** Molten material can cause severe burns. Do not try to peel the material from the skin. Cool rapidly with water and continue whilst relief from pain is obtained. Obtain medical help immediately
- Eye Contact:** Promptly wash eyes with plenty of water while lifting the eyelids. Get medical attention if any discomfort continues.
- Ingestion:** Not ordinarily required. No specific measures.
- Information for doctor:** Treat symptomatically and supportively .Burns should be treated as thermal burns. Material comes off as healing occurs. Hence immediate removal from skin not required

5. FIRE FIGHTING MEASURES

5.1 : Burning characteristics

Flammable Class:	Not available
Flash Point:	Not applicable
Self- ignition Temp.:	515 ⁰ C (DIN 51794)
Decomposition Temp:	>300 ⁰ C

5.2: Suitable extinguishing agents:

CO₂, Dry Chemical Powder , water spray or fog. Fight larger fires with water spray or alcohol resistant foam. Avoid water if fire is caused by electrical short circuit.

5.3 Protective equipment: Wear self contained breathing apparatus. Wear fully protective suit with headgear.

5,4 Additional information : Low fire hazard. Powdered material may form explosive dust-air mixtures.CO₂ and water are formed after complete combustion. Depending on temperature and air availability , may yield oxides of Carbon(CO and CO₂) and low molecular organic component.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Clear up spillage which may be slippery. Avoid skin contact of molten material . Avoid breathing vapors or fumes evolved during processing.

Environmental precaution: Do not allow product to reach sewage system or any water course

Measures for cleaning/collecting: Clear spillages and transfer to a container for recovery or disposal



7. HANDLING & STORAGE

7.1 Handling:

Information for safe handling:

Ensure good interior ventilation. Personal respiratory protection must be employed while opening Empty container to avoid exposure to potentially irritating/toxic vapours which may have accumulated in the container during storage. Avoid contact with hot or molten product and breath fumes or vapors from heated product. Use local exhaust over processing area. Avoid generation or accumulation of dust and take measures for static discharge. Keep away from direct sun light and heat.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

7.2 Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool, dry, well-ventilated area away from incompatible substances.

Store in tightly closed containers.

Information about storage in one common storage facility:

Store away from foodstuff .Store away from strong oxidizing materials.

Further information about storage conditions:

- 1) Keep in cool dry ventilated storage and closed containers.
- 2) Store at ambient temperature

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 8.1 Exposure limits Comply with local statutory body regulations for threshold values of dust / powder. (For example German's TRGS 900 specifies 3mg/m³ for fine dust and 10mg/m³ for coarse dust respectively)
- 8.2 Exposure Control Decomposition product, dusts during extrusion must be avoided with Hood suction, adequate fresh air supply and good house keeping
- 8.3 **Occupational Exposure control**
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection:
No specific recommendation made but respiratory protection must be used if the general dust level exceeds the Occupational Exposure Level.
Protection of hands: Wear thermal protective gloves when working with polymer processing equipment.
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection: Wear full-face shield when working with molten polymer.
Body protection: Protective work clothing
- 8.4 **Environmental Exposure control:**
Dispose off dust and decomposition product suitably

**9. PHYSICAL & CHEMICAL PROPERTIES****9.1 General Information**

Appearance:	Granuels transparent/ opaque
Form:	Solid granules
Colour:	Off-white / opaque
Odour:	Odorless

9.2 Other information

Melting point/Melting range:	235~265 °C
Boiling point/Boiling range:	Not Applicable
Flash Point:	No data
Flammability:	No data
Danger of explosion:	Product does not present an explosion hazard
Density:	1400kg/m ³ at 20 °C
Solubility & Miscibility	
In water :	Insoluble
Additional information:	Bulk Density for solids: @ 830kg/m ³

10. STABILITY & REACTIVITY

Thermal decomposition / conditions to be avoided:	Keep away from heat.
Materials to be avoided:	Strong alkalis. Strong oxidizing agents
Dangerous reactions:	Reacts with alkalis and oxidizing agents

Dangerous decomposition products:

At complete combustion, the major products formed are Carbon dioxide and carbon monoxide. Other volatiles will be oligomers of PET, acetaldehyde and low molecular weight alcohols/aldehydes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Low oral toxicity
Primary irritant effect:	
On the skin:	Molten polymer may adhere to the skin causing deep thermal burns.
On the eye:	May cause irritation if dust comes in contact with eyes.
Sensitization:	No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

12. ECOLOGICAL INFORMATION

12.1	Eco-toxicity:	Low/ no toxic to aquatic organisms
12.2	Mobility:	Being insoluble in water poses no threat of Oxygen depletion
12.3	Degradability	Non biodegradable in soil
12.4	Other adverse effect:	No adverse effect on biological treatment process

13. DISPOSAL CONSIDERATION**Product:**

Recommendation: Recover and claim or recycle if practical. Dispose off in accordance with local authority requirements.

Un-cleaned packaging

Recommendation: Disposal must be made according to official regulations.



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14. TRANSPORT INFORMATION

14.1 : Land transport ADR/RID (cross-border)

ADR/RID class: -Not dangerous for conveyance under ADR/RID codes

14.2: Maritime transport IMDG:

IMDG Class: -Not dangerous for IMDG code

Marine pollutant: No

14.3: Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: - Not dangerous for IATA-DGR code

14.4: UN "Model Regulation": - Not applicable

15. REGULATORY INFORMATION

Chemical safety assessment

Not classified as dangerous under EC criteria. EINECS status: Exempted as Polymer

16. OTHER INFORMATION

16.1: Department issuing MSDS: Customer Technical service

Contact: N . N .Mishra

Tel : +91 3224 273741/275947

Fax : +91 3224 273740

Email: nmishra@aspetindia.com

16.2: Disclaimer:

This information is based on our present knowledge. However this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Dhunseri Petrochem Ltd does not guarantee for the information when the product is used with combination of any other product and will not be responsible for any damage or injury resulting from abnormal use of the product. User has to adhere strictly to the local regulations appropriate for storage, handling, transportation as local laws , regulations and conditions of use of product are beyond the control of Dhunseri Petrochem Ltd . User has to provide appropriate warnings and safe handling instructions to all concerned handlers. For EU users, as per provision of article 34 of REACH regulation (EC) no 1907/2006 , users shall to communicate any new information on hazardous properties of the product and/or new information relevant to risk management measures for intended uses to Dhunseri Petrochem Ltd. The document being the sole property of Dhunseri Petrochem Ltd , is restricted for alteration and re- publication as whole or part .

16.3: Revisions:

Issue 3: Change of Company name and incorporation of contact details of “ REACH “ only representative