



EXCEL INDUSTRIES LIMITED

PARA ETHOXY ETHYL BENZOATE MATERIAL SAFETY DATA SHEET (According to 2001 / 58 / EC)

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product details** :
 - Chemical Name : P - ethoxy ethyl benzoate
 - Trade name : PEEB
- **Use of substance** : Catalyst for the production of polypropylene
- **Manufacturer** : EXCEL INDUSTRIES LIMITED
184-87, S.V.Road
Jogeshwari (West), Mumbai - 400102
INDIA
- **Informing department** : EHS department
- **Emergency information** : **Mumbai H.O.** (0830 - 1730 hrs) :-
Emergency Tel. : +91 22 6646 4200, 2678 8258 Fax : +91 22 2678 3508
Roha Works (24 hrs.) :-
Emergency Tel. : +91 2194 264004, 264005 Fax : +91 2194 263703

SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	CAS No.	%	EC / EINECS No.	Symbol	R / S Phrases
P - ethoxy ethyl benzoate	23676-09-7	99.5%	245-818-0	Xn	R22, R53

Note: See Section 16 for full text of R & S phrases mentioned above.

SECTION 3 : HAZARDS IDENTIFICATION

- Potential hazards : Harmful
- Potential health effects : Irritant
- Relevant route of exposure :
 - Skin contact : Slightly irritating to skin
 - Eye Contact : Slightly irritating to eyes
 - Inhalation : Slight irritation of respiratory tract
 - Ingestion : Maybe harmful if swallowed
- R-phrases : R22, R53
- S-phrases : ----
- Environmental effects : May cause long term adverse effects in the aquatic environment.
- Hazard symbols : Xn



Xn



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SECTION 4 : FIRST AID MEASURES

- General information : Instantly remove any clothing contaminated by the product
Do not wait until symptoms appear, but follow immediately the instructions given below.
- After eye contact : Immediately flush eyes with plenty of water for 15 minutes. Remove contact lenses if easily possible. Seek medical attention.
- After skin contact : Remove contaminated clothing. Immediately wash contaminated skin with soap and large quantities of water. Seek medical attention.
- After inhalation : Remove exposed person to fresh air. Lay patient down. Keep warm & at rest. If breathing has ceased, start artificial respiration. Seek medical attention immediately.
- After ingestion : Rinse mouth. If the affected person is conscious, immediately give several glasses of water to drink. Do not induce vomiting. If vomiting occurs, lean patient forward to prevent aspiration. Never give anything by mouth to an unconscious person. Seek medical attention immediately.
- Note to Physician : Treat symptomatically. Emesis may be considered under supervision.

SECTION 5 : FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical, Carbon dioxide, Sand, Earth
- Unsuitable fire extinguishing media : -----
- Hazardous combustion products : Carbon monoxide, Carbon dioxide
- Fire fighting procedure : In case of fire, cool drums etc. by spraying with water. Do not allow firefighting water to enter water bodies.
- Special protective equipment for the fighters : Wear self-contained breathing apparatus and protective clothing. Equipment should be thoroughly decontaminated after use.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

- Personal precautions : Avoid contact with material. Keep people at a distance. Use personal protection recommended in Section 8.
- Environmental precautions : Prevent mixing with water bodies. Advice local authorities if it has entered water bodies.



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- **Methods for cleaning up** : Make dyke using earth or available material. Absorb on sand, earth, absorbent granules and shovel into plastic drums for temporary on site storage. Collect in containers for disposal. Flush spill area with water. Dispose as per instructions mentioned in Section 13.
- **Additional instructions** : After clean up operations, decontaminate & launder all protective clothing and equipment before storing & reusing.

SECTION 7 : HANDLING AND STORAGE

HANDLING :

- **Information for safe handling** : Only trained staff with special training and appropriate equipment must handle the product. Good industrial practice in housekeeping & personal hygiene should be followed. Avoid contact with eyes, skin and clothing. Use personal protective equipment recommended in Section 8.
- **Technical measures like containment, ventilation, spillage handling etc.** : Use in well ventilated area. Prevent concentration in hollows & sumps. Do not enter confined spaces until atmosphere has been checked.

STORAGE :

- **Conditions for safe storage** : Store in cool, dry, well-ventilated area away from heat and ignition sources. Keep containers securely sealed. Avoid physical damage to containers. Check regularly for leaks. Store away from incompatible materials and foodstuff materials.
- **Material of construction of containers:** Suitable storage materials are GI, SS

SECTION 8 : EXPOSURE CONTROL / PERSONAL PROTECTION

- **Occupational exposure limit values / Biological limit values:** No data available
- **Applicable control measures, including engineering controls:** Good industrial practice in housekeeping and personal hygiene should be followed. Ensure adequate ventilation of workplace. If risk of overexposure exists, wear approved respirator. Provide eyewash facility & safety shower.
- **Industrial Hygiene Controls:** Good personal hygiene practices should be followed. Avoid contact with eyes, skin and clothing. Wash hands before breaks and after work. Take bath after work. Do not eat, drink, smoke in the workplace. Use personal protective equipment.
- **Personal protective equipment for each exposure route (type & MOC):**
 - Respiratory protection : Wear respirator with appropriate filter
 - Hand protection : PVC / Rubber gloves Penetration time of glove material : Not available
 - Eye protection : Safety goggles, Full face shield
 - Skin protection : Chemical resistant apron
 - Foot : Safety shoes / Rubber gumboots



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

General Information :

- Physical state : Liquid
- Colour : Colourless to pale yellow liquid
- Odour : No characteristic odour

Important Health, Safety & Envir. Information :

- pH : Neutral

Other information :

- Vapor pressure & reference temperature : Not available
- Boiling point : 275°C at 760 mm. Hg.
- Freezing / Melting point : 8.5°C
- Specific gravity : 1.073 @ 25°C
- Solubility in water : Partly miscible
- Flash point (with method) : 137°C
- Auto ignition temperature : 460°C

SECTION 10 : STABILITY AND REACTIVITY

- Chemical stability : Generally stable under normal conditions of handling and storage.
- Conditions to avoid : Heat
- Materials to avoid : Strong oxidizing compounds.
- Hazardous decomposition products : Carbon monoxide, Carbon dioxide
- Hazardous polymerization : None

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicology data :

- Skin : Dermal LD50 (Rat) - >2000 mg/kg/ 24H
- Ingestion : Oral LD50 (Rat) - 1649 mg/kg
- Inhalation : No data available
- Irritancy : No data available

Acute effects :

- Skin contact : Slightly irritating to skin
- Eye contact : Slightly irritating to eyes
- Inhalation : Slight irritation of respiratory tract
- Ingestion : Harmful if swallowed

Chronic effects :

- Sensitization : No data available
- Carcinogenicity : This product has not been classified as a carcinogen by NTP, IARC or OSHA
- Reproductive toxicity : No data available
- Teratogenicity : No data available

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- Mutagenicity : No data available
- Name of toxicologically synergistic products : No data available

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No data available

- Mobility : No data available
- Persistence and degradability in soil/
water : No data available
- Bioaccumulation potential : Material has a moderate potential to bioaccumulate
- Other adverse effects (ODP, GWP, etc). : No data available

SECTION 13 : DISPOSAL CONSIDERATION

- **Waste disposal information of product & contaminated packaging:** Spill and waste disposal procedures approved by state and local authorities must be observed. Labels should not be removed from containers until they have been cleaned and decontaminated. Decontaminate the container taking suitable precaution considering hazard before reuse or recycle and dispose off as per local rules.

SECTION 14 : TRANSPORT INFORMATION

Land Transport ADR/ RID (cross border) :

ADR / RID - GGVS/E Class :
UN Number : Not regulated for transport
Proper Shipping Name :
Packaging group :

Maritime Transport IMDG :

IMDG Class :
Page :
UN Number : Not regulated for transport
Proper Shipping Name :
Packaging group :
EMS Number :
MFAG :
Marine Pollutant :

Air Transport ICAO/ IATA :

ICAO / IATA Class :
UN Number : Not regulated for transport
Proper Shipping Name :
Packaging group :

SECTION 15 : REGULATORY INFORMATION

- National laws/ Regional laws:-



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SECTION 16 : OTHER INFORMATION

Full text of R & S phrases given below:-

- R22- Harmful if swallowed
- R53- May cause long term adverse effects in the aquatic environment

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