

MSDS (Material Safety Data Sheet)

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1. Substance/preparation and company identification

Product Name : POL 641 FR
Use of the : Component of a Polyurethane system
Company : **Arian Polyurethane JSC.**
Address: Unit 5, Nr.12, 14th St., Pakistan St., Beheshti Ave., Tehran 15317-53616, Iran.
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2. Hazard identification

No particular hazards known.

3. Composition/information on ingredients

Chemical nature

Preparation based on: polyol, catalyst & stabilizing agents.

4. First-aid measures

General advice:
Remove contaminated clothing.

On inhalation:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

5. Fire-fighting measures

Suitable extinguishing media:
water, dry extinguishing media, foam, carbon dioxide

Specific hazards:
carbon monoxide, carbon dioxide, nitrogen oxides
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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6. Accidental release measures

Personal precautions: Immediately contact emergency personnel. Use suitable protective equipment (clothing).

Environmental precautions: Do not empty into drains and not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder)

Dispose of contaminated material as prescribed.

Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and storage

Handling

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion: No special precautions necessary.

Storage

Segregate from foods and animal feeds. Segregate from acids and oxidants.

Further information on storage conditions:

Hygroscopic. Use dry nitrogen or low dew point air for tank padding.

Keep drums tightly closed to prevent contamination. Containers should be stored tightly sealed in a dry place.

Store in accordance with local regulations.

8. Exposure controls and personal protection

Components with workplace control parameters : none

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact

(Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures:

Wearing of closed work clothing is required additionally to the stated personal protection equipment.

When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied.

9. Physical and chemical properties

Form: liquid

Colour: Light brown

Odour: little or no odour

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Auto Ignition : GT250°C
Flash point: 234°C (CC)
Vapour pressure: No data available
Vapor Density: LT 1.0 mmHg(at 20°C)
Specific Gravity: 1.02~1.06

10. Stability and reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Materials to avoid: oxidizing materials and alkalis.

11. Toxicological information

Irritation

Primary skin irritation: Prolonged exposure to the product can result in irritation of the skin and mucous membranes.

Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological information

Persistence and degradability

Elimination information: Poorly biodegradable.

Other adverse effects

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

Additional information

Other ecotoxicological advice:
Do not allow to enter soil, waterways or waste water channels. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. The product has not been tested. The statement has been derived from products of a similar structure and composition.

13. Disposal considerations

Incinerate in suitable incineration plant, observing local authority regulations.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport information

Land transport

ADR
Not classified as a dangerous good under transport regulations
RID

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Not classified as a dangerous good under transport regulations

Inland waterway transport

ADNR

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Regulations of the European union / National legislation/Regulations

Directive 1999/45/EC ('Preparation Directive'):

The product does not require a hazard warning label in accordance with EC Directives.

Other regulations

o TSCA Inventory Status	:	Y
o CERCLA Section 103 (40CFR302.4)	:	N
o SARA Section 302 (40CFR355.30)	:	N
o SARA Section 304 (40CFR355.40)	:	N
o SARA Section 313 (40CFR372.65)	:	N
o OSHA Process Safety (29CFR1910.119)	:	N
o California Proposition 65	:	N
o SARA Hazard Categories, SARA Sections 311/312 (40 CFR 370.21)	:	
- Acute Hazard	:	N
- Chronic Hazard	:	N
- Fire Hazard	:	N
- Reactivity Hazard	:	N
- Sudden Release Hazard	:	N

16. Other information

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