

1 Identification of substance

- Trade name: **Polyol R3600**
- Application of the substance / the preparation Chemical intermediate
- Manufacturer/Supplier:
Perstorp Specialty Chemicals AB
SE-28480 Perstorp, Sweden
Tel. +46 435 38000
Fax +46 435 37067

polyolinfo@perstorp.com
www.perstorp.com
- Information department: Product safety department.
- Emergency information:
(United States) - CHEMTREC 1-800-424-9300.
(Int.) +46 8 337043 (Emergency Response Center, Sweden)

2 Composition/Data on components

- CAS No. Description
50586-59-9 Alkoxylated trimethylolpropane 90-100 %

3 Hazards identification

- Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

4 First aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Take affected persons into fresh air and keep calm.
- After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Rinse out mouth and then drink plenty of water or milk.

5 Fire fighting measures

- Suitable extinguishing agents:
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: Wear self-contained respiratory protective device.

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6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Information for safe handling:** Store in cool, dry place in tightly closed receptacles.
- **Storage:**
- **Further information about storage conditions:**
Protect from humidity and water.
Keep receptacle tightly sealed.
This product is hygroscopic.

8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Butyl rubber, BR
Chloroprene rubber, CR
Nitrile rubber, NBR
- **Penetration time of glove material**
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Safety glasses

9 Physical and chemical properties

· General Information

Form:	Fluid
Color:	Colorless
Odor:	Faint

· Change in condition

Melting point/Melting range:	< -30 °C (< -22 °F)
Boiling point/Boiling range:	> 300 °C (> 572 °F)

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- | | |
|---|------------------------|
| · Flash point: | > 150 °C (> 302 °F) |
| · Density at 20°C (68°F): | 1110 kg/m ³ |
| · Solubility in / Miscibility with Water: | Partly miscible. |
| · Segregation coefficient (n-octanol/water): | < 0 log POW |
| · Viscosity: | |
| Dynamic at 23 °C (73 °F): | 800 mPas |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

50586-59-9 Alkoxylated trimethylolpropane

Oral | LD50 | > 2000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):** Ames test: Negative (Not a mutagen)

12 Ecological information

- **Information about elimination (persistence and degradability):**

50586-59-9 Alkoxylated trimethylolpropane

BOD28 | 20 mg/g (-)

COD | 1520 mg/g (-)

- **Behavior in environmental systems:**

- **Mobility and bioaccumulation potential:**

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

50586-59-9 Alkoxylated trimethylolpropane

LC50/96 h | > 1000 mg/l (fish)

- **Remark:** Harmless to fish up to the tested concentration

13 Disposal considerations

- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulations

- **Sara**

- **Section 355 (extremely hazardous substances):**

Substance is not listed.

- **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

- **TSCA (Toxic Substances Control Act):**

50586-59-9 | Alkoxylated trimethylolpropane

- **Proposition 65**

- **Chemicals known to cause cancer:**

Substance is not listed.

- **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

- **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

- **Chemicals known to cause developmental toxicity:**

Substance is not listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

Substance is not listed.

- **IARC (International Agency for Research on Cancer)**

Substance is not listed.

- **NTP (National Toxicology Program)**

Substance is not listed.

- **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

- **MAK (German Maximum Workplace Concentration)**

Substance is not listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

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· Canadian Domestic Substance List (DSL)		
50586-59-9	Alkoxylated trimethylolpropane	

· Chinese Chemical Inventory of Existing Chemical Substances		
50586-59-9	Alkoxylated trimethylolpropane	

· Japan Existing and New chemical Substance List (ENCS)		
50586-59-9	Alkoxylated trimethylolpropane	7-99

· Korea Existing Chemical Inventory		
50586-59-9	Alkoxylated trimethylolpropane	KE-20234

· **Product related hazard informations:**

The product is not subject to identification regulations according to directives on hazardous materials.

Observe the general safety regulations when handling chemicals.

16 Other information

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.

· **Department issuing MSDS:** EHSQ-department, Perstorp Specialty Chemicals AB.

· **Contact:** EHSQ-department, Perstorp Specialty Chemicals AB

USA