SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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Product Name: **Caesarol HA 05/HA 06 POLYOL**

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Use of the substance/preparation
Component(s) for the manufacture of urethane polymers.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulated polyether polyol Balance

Dangerous components (see section 16 for complete R-phrases):

			CAS	EC No
Polypropylene glycol	3-12 %	Xn; R22	025322-69-4	Polymer
Alkoxylated amine	1-5 %	Xi; R36		
Tertiary amine	<3 %	C,Xn,F; R20/21/22-34-10		
Tertiary amine	<1 %	T; R20/22-24-34		

3. HAZARDS IDENTIFICATION

Harmful if swallowed.
Irritating to eyes.

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4. FIRST-AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

Inhalation
Move person to fresh air; if effects occur, consult a physician.

Skin Contact
Remove contaminated clothing. Wash skin with plenty of water. Remove residues with soap and water.

Eye Contact
Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an opthalmologist.

Ingestion
Seek medical attention immediately.

Note to Physician
No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Extinguishing Media
Water fog or fine spray. Carbon dioxide. Alcohol resistant foam. Dry chemical fire extinguishers.

Hazardous Combustion Products
Incomplete combustion may lead to the build-up of toxic pyrolysis products.
Combustion products may include and are not limited to: Carbon oxides. Nitrogen oxides.

Protection of Firefighters
Wear positive-pressure, self-contained breathing apparatus.

Specific Fire or Explosion Hazards
Will support combustion.

Specific Methods of Firefighting
Fire debris must be disposed of in accordance with local regulations. Do not discharge extinguishing waters into streams, rivers and lakes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Wear adequate personal protective equipment, see Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION. Spills may cause very slippery surfaces.

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Environmental Precautions
Dike to prevent contamination of ground and surface water, then transfer into closed containers. Recover if possible, or dispose of according to applicable regulations, see Section 13, DISPOSAL CONSIDERATIONS.

Methods of Cleaning Up
Spills should be contained by, and covered with large quantities of sand, earth or any other readily available absorbent material which is then brushed in vigorously to assist absorption. The mixture can then be collected into drums and removed for disposal. Wash area from residues with soap and water and rinse down. Contaminated water should be retained, not being allowed to flow into ground or surface water.

7. HANDLING AND STORAGE

Handling
Since polyols are handled together with diisocyanates, proper distinction between these two kinds of products is essential in order to avoid undesired mixing resulting in uncontrolled polymerisation.

Storage
Keep container tightly closed; product is hygroscopic.

- Storage Temperature and Shelf-Life
The recommended storage temperature is 15-35 deg.C. Shelf life is 6 months.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
None established for the preparation.

Engineering Controls
Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal Protective Equipment

Respiratory Protection
For most conditions, no respiratory protection is needed; however, if handling at elevated temperature without sufficient ventilation or in presence of aerosols, use an approved air-purifying respirator.

Skin Protection
Wear gloves made of: PVC. Break-through time not established. Discard immediately after contamination.
Wear clean, long-sleeved, body-covering clothing. After work and before eating, drinking or smoking wash and clean yourself carefully with soap and water. Contaminated clothing should be washed and/or dry cleaned before re-use.

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Eye/Face Protection
Use chemical goggles. If exposure causes eye discomfort, use a full-face respirator. Eye wash fountain should be located in immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: viscous liquid
Colour	: light brown
Odour	: slight amine
Density	: 1.05 g/cm3 (25 deg.C)
Rel. vapour density (air=1)	: >1
Water solubility	: not determined
Flash point	: > 100 deg.C (ASTM D93)
Viscosity	: 250 mPa.s (25 deg.C)

10. STABILITY AND REACTIVITY

Chemical Stability
The product is stable but hygroscopic.

Materials to Avoid
Acids. Oxidising agents.

Hazardous Decomposition Products
None under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Ingestion
The oral LD50 for rats is 500-2000 mg/kg.

Skin Contact
Prolonged or repeated exposure may cause skin irritation.
The LD50 for skin absorption in rabbits is >2000 mg/kg.

Inhalation
At room temperature, exposures to vapours are minimal due to physical properties; higher temperatures may generate vapour levels sufficient to cause irritation and other effects.

Eye Contact
May cause moderate eye irritation. Vapours may cause eye irritation experienced as mild discomfort and redness.

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12. ECOLOGICAL INFORMATION

Assessment largely or completely based on data for similar material(s).

Mobility and Bioaccumulation Potential
No appreciable volatilization from water to air is expected.

Degradation
Material is expected to degrade only slowly in the environment.

Aquatic Toxicity
Acute LC50 for golden orfe (Leuciscus idus) is >100 mg/L.
Material is not harmful to fish on an acute basis (LC50>100mg/L).

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Incinerate under controlled conditions in accordance with all local and national laws and regulations.

14. TRANSPORT INFORMATION

Product is not classified for any mode of transportation.

15. REGULATORY INFORMATION

EC Classification and User Label Information

Classification according to Directive 1999/45/EC (the Dangerous Preparations Directive).

Hazard Symbol : Xi - Irritant to eyes
Xn - Harmful
Risk Phrases : Irritating to eyes (R36)

EINECS Status
All components of this product are in compliance with EINECS.

16. OTHER INFORMATION

Risk-phrases in Section 2
R10 - Flammable
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
R24 - Toxic in contact with skin
R34 - Cuases burns
R36 - Irritating to eyes.

The information herein is given in good faith and to the best of our knowledge but no warranty, express or implied, is made.