

Trade Name : Tostran

Company / Supplier : PHARBIL Waltrop GmbH, Im Wirrigen 25, D- 45731 Waltrop

Telephone : +49-2309 9375-0, Date of issue : 27.05.2013 Replaces Data Sheet of : ---

S - Phrases :

S 53: Avoid exposure - obtain special instructions before use.

S 1: Keep locked up.

S 16: Keep away from sources of ignition - No smoking.

S 23: Do not breathe gas / fumes / vapour / spray (appropriate wording to be specified by the manufacturer).

S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Additional Markings : Contains 2,6-Di-tert-butyl-p-cresol. May produce an allergic reaction.

The above mentioned labelling is valid for distribution to industrial user.

2.3

Other hazards

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

In use, may form flammable/explosive vapour-air mixture.

Solvents may degrease the skin.

SECTION 3: Composition/information on ingredients3.1 **Substances****Dangerous Ingredients :**3.2 **Mixtures****Chemical Characterisation :**

Preparation, alcoholic solution

Dangerous Ingredients :

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R / H - phrases
64-17-5	603-002-00-5	200-578-6	Ethanol	10 - 20%	F GHS02	R 11 ; H225
67-63-0	603-117-00-0	200-661-7	Propan-2-ol	10 - 20%	F, Xi GHS02 GHS07	R 11-36-67 H225 H319 H336
128-37-0	n.av.	204-881-4	2,6-Di-tert-butyl-p-cresol	0,1 - 1%	Xn, N GHS07 GHS08	R 22-36-43-48/22-51/53 H302 H319 H317
58-22-0	n.av.	200-370-5	Testosterone	1 - 3%	GHS09 T GHS08	H373 H411 R 20/21/22-40-50-61-62 H302 H312 H332 H351 H360Df H400

SECTION 4: First aid measures4.1 **Description of first aid measures**4.1.1 **Inhalation :**

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1.2 **Skin Contact :**

Wash off immediately with soap and plenty of water.

Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1.3 **Eye Contact :**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1.4 **Ingestion :**

Call a physician immediately.

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

4.2 **Most important symptoms and effects, both acute and delayed**

None known.

4.3 **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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SECTION 5: Firefighting measures

- 5.1 **Extinguishing media**
- 5.1.1 **Suitable Extinguishing Media :**
Use dry chemical, CO₂, water spray or "alcohol" foam.
- 5.1.2 **Extinguishing Media to Avoid :**
None.
- 5.2 **Special hazards arising from the substance or mixture**
In the event of fire the following can be released: Carbon oxides.
- 5.3 **Advice for firefighters**
- 5.3.1 **Special Protective Equipment :**
Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.
- 5.3.2 **Additional Information :**
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
Do not breathe vapours or spray mist.
- 6.2 **Environmental precautions**
Do not contaminate water. Do not let product enter drains.
Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Soak up with inert absorbent material. Use personal protective equipment.
Shovel into suitable container for disposal.
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling :**
Avoid contact with skin and eyes.
Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.
Wash hands before breaks and at the end of workday.
When using, do not eat, drink or smoke.
Pregnant women or women of child-bearing age should not be exposed to this product.
Avoid exposure to women during early pregnancy.
- 7.1.2 **Precautions in Case of Fire and Explosion :**
Keep away from heat and sources of ignition.
Take measures to prevent the build up of electrostatic charge.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions :**
Keep locked up or in an area accessible only to qualified or authorised persons.
Keep container tightly closed in a dry and well-ventilated place. Store in original container.
- 7.2.2 **Store away from :**
Do not store near acids, oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions :**
None.
- 7.3 **Specific end use(s)**
n.av.

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Material	Limit Value
Ethanol	500 ppm 960 mg/m ³
Propan-2-ol	200 ppm 500 mg/m ³

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide appropriate exhaust ventilation at machinery.

8.2.2 Individual protection measures**8.2.2a Respiratory** In case of insufficient ventilation, wear suitable respiratory equipment.**Protection :** Recommended filter type:A.**8.2.2b Hand Protection :** Protective gloves complying with EN 374.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

8.2.2c Eye Protection : Tightly fitting safety goggles**8.2.2d Skin Protection :** Protective suit**8.2.3 Environmental exposure controls :**

n.av.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****9.1.1 Form :** gel **Colour :** colourless **Odour :** alcoholic**9.1.2 pH-value, undiluted :** n.ap., pH-value, 1% aqueous solution : n.av.**9.1.3 Boiling point / Boiling - range (°C) :** n.av., Melting point / Melting range (°C) : n.av.**9.1.4 Flash point (°C, c.c.) :** 27,5**9.1.5 Flammability (EEC A10/A13) :** n.av.**9.1.6 Ignition temperature (°C) :** n.av.**9.1.7 Autoflammability (EEC A16) :** n.av.**9.1.8 Oxidising properties :** n.av.**9.1.9 Explosion hazard :** None.**9.1.10 Explosion limits (Vol.%) lower :** n.av., upper : n.av.**9.1.11 Vapour pressure :** n.ap.**9.1.12 Density (g/ml) :** n.av.**9.1.13 Solubility (in Water) :** soluble**9.1.14 Partition coefficient, n-Octanol/Water :** n.av.**9.1.15 Viscosity :** n.ap.**9.1.16 Solvent content (m %) :** 20 - 40**9.2 Other information****9.2.1 Thermal decomposition (°C) :** n.av.**9.2.2 Vapour density (Air = 1) :** n.ap.**SECTION 10: Stability and reactivity****10.1 Reactivity**

None.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

In use, may form flammable/explosive vapour-air mixture.

10.4 Conditions to avoid

Keep container tightly closed and dry. Protect from light, moisture and damage.

10.5 Incompatible materials

Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects****11.1.1 Acute Health Effects :**

Inhalation, LC50 rat, (mg/l/4h) :	n.av.
Ingestion, LD50 rat, (mg/kg) :	n.av.
Skin - contact, LD50 rat, (mg/kg) :	n.av.
Irritation (to skin / eye) :	Irritating to eyes.
Sensitisation :	May produce an allergic reaction.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity :	Carc. 2
Mutagenicity :	Not mutagenic in AMES Test.
Teratogenicity :	Repr. 1B
Narcotic Effects :	Inhalation of high vapour concentrations can cause CNS-depression and narcosis.

11.1.3 Practical Experience**11.1.3.1 Observations relevant for classification :**

None.

11.1.3.2 Further Observations :

Solvents may degrease the skin.

11.1.4 General Remarks :

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information**12.1 Toxicity**

We have no quantitative data concerning the ecological effects of this product.

12.2 Persistence and degradability

No data is available on the product itself.

12.3 Bioaccumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

n.av.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g :	n.av.
12.6.2 BOD5-Value, mg/g :	n.av.
12.6.3 AOX-Remarks :	Not applicable.
12.6.4 Significant Components :	n.av.
12.6.5 Other adverse effects :	Not applicable.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****13.1.1 Recommendation : D 10**

Waste - Code - No. : The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.


13.2 Contaminated Packaging**13.2.1 Recommendation :** Wash with suitable cleaner. Otherwise as described under Residues. Uncontrolled disposal or recycling of this packaging is not permitted and can be dangerous.**13.2.2 Safe Handling :** As described under Residues. Handle in accordance with good industrial hygiene and safety practice.

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SECTION 14: Transport information

	ADR	IMDG	IATA
14.1	UN number 1987	1987	1987
14.2	UN proper shipping name UN 1987 Alcohols, n.o. s. (Ethanol, Isopropyl alcohol)	Alcohols, n.o. s. (Ethanol, Isopropyl alcohol)	Alcohols, n.o. s. (Ethanol, Isopropyl alcohol)
14.3	Transport hazard class(es) 3 	3 Flammable Liquid	3 Flammable Liquid
14.4	Packing group III	III	III
14.5	Environmental hazards	No.	
14.6	Special precautions for user Transport-category : 2 Classification Code : F1 Hazard - No.: 30 LQ: 5L	F-E, S-D	Packing Instructions (Passenger) 365 Packing Instructions (Cargo) 366
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	n.av.	

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No data available.
- 15.2 **Chemical safety assessment** : None.

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SECTION 16: Other information**Text of R / H phrases mentioned in Section 3**

R 11: Highly flammable.

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R 22: Harmful if swallowed.

R 36: Irritating to eyes.

R 40: Limited evidence of a carcinogenic effect.

R 43: May cause sensitization by skin contact.

R 48/22: Harmful: Danger of serious damage to health by prolonged exposure if swallowed.

R 50: Very toxic to aquatic organisms.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 61: May cause harm to the unborn child.

R 62: Possible risk of impaired fertility.

R 67: Vapours may cause drowsiness and dizziness.

H 225: Highly flammable liquid and vapour.

H 302: Harmful if swallowed.

H 312: Harmful in contact with skin.

H 317: May cause an allergic skin reaction.

H 319: Causes serious eye irritation.

H 332: Harmful if inhaled.

H 336: May cause drowsiness or dizziness.

H 351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H 360Df: May damage the unborn child. Suspected of damaging fertility.

H 373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H 400: Very toxic to aquatic life.

H 411: Toxic to aquatic life with long lasting effects.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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