

TESSAROL acrylic primer for iron red

Revision No.:4
Revision Date:09/06/10**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product name: TESSAROL acrylic primer for iron red
Item code: 416498
Product general name: Paint based on acrylic polymer dispersion in water, pigment and auxiliary agents.
Producer/supplier: HELIOS Tovarna barv, lakov in umetnih smol Količevo, d.o.o.
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Emergency phone : In case of health hazard, consult a private or a doctor on duty. For additional information please call phone number +386 (1) 722 4381 (INDOK dept.).

2. HAZARDS IDENTIFICATION

Hazards designation: The product does not mean special danger for the environment, if the recommendations for the removal from the Paragraph 1.3. are taken into consideration.
According to the methodology of the Regulation on the classification, labelling and packing of dangerous substances (Chapter 15), THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Coatings (paints and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or solved in water.

It contains the following health and environment hazardous ingredients:

Chemical name:	Conc.(%)	CAS. No.:	EC No.:	Index No.:	Symbol:	R- phrases:
2-butoxyethanol	2.5-10	111-76-2	203-905-0	603-014-00-0	Xn	R20/21/22 R36/38
Polyacrylate	1.0-2.5	-	-	-	Xi	R38
Nonylphenol ethoxylate phosphate	< 1.0	51609-41-7	-	-	C	R34 R52/53
fatty acids, C6-19-branched, zinc salts	<0.5	68551-44-0	271-378-4	-	N Xi	R38 R51/53

4. FIRST AID MEASURES

Symptoms caused by excessive exposure: Dizziness, nausea, vomiting, difficult breathing, irritation of skin or eyes. In case of these symptoms, seek medical help and show this data sheet.

In case of excessive inhalation: Breathe fresh air. Rest. Do not eat or drink until the symptoms disappear.

In case of ingestion: Do not eat. Drink only water. Do not induce vomiting.

In case of contact with: Remove contaminated clothes. Wash skin with water and soap. Do not use organic

skin and clothes: solvents or thinners.

In case of contact with eyes: Rinse with plenty of water for at least 15 minutes and seek medical help.

5. FIRE-FIGHTING MEASURES

Preventive measures: Product is not flammable. Keep containers closed.

Fire extinguishers: Foam, powder, CO₂, to a limit also water spray.

Fire extinguishing measures: Put out fire in the direction of the wind. Spray non-burning containers with water, prevent product leakage and move containers to a safe space.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Provide good ventilation.

Environmental precautions: Do not allow spilling into water, watercourses, cellars, caves or drains and the accumulation of vapours in closed rooms.

Methods of cleaning up: Absorb and mix the spilled product with soil, sand or any other absorbent material for liquids. Dispose the mixture to a deposit site for special or dangerous waste or burn in the incinerator.

7. HANDLING AND STORAGE

Handling: During handling the product ventilate the area. Follow valid regulations on the emission of dangerous substances into the environment (par. 12) and explosion points (par. 9). Follow safety at work regulations. Keep containers tightly closed. Store in places out of reach of unskilled people. Do not eat, drink or smoke while using the product.

Storage: Do not store with food or fodder. Keep in a tightly closed container in dry and ventilated storage, follow the instructions on the label. Packaging should be marked with an original product label. Store at the temperature from 5°C to 35°C. THE PRODUCT SHOULD NOT FREEZE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection: Adjust safety protection to the product application technology. Use materials resistant to organic solvents (rubber, special plastic).

Respiratory protection: Provide such ventilation at the site of use so that the concentration of solvent vapours present in product will not exceed the threshold limit value (TLV).

The prescribed of threshold limit value (TLV) hazardous substances in the work place atmosphere according to the Regulations on the safety of employees and protection against chemical substance exposure at work (German TRGS 900):

Chemical name	CAS No.	TLV (mg/m ³)
2-Butoxyethanol	111-76-2	98

Hand protection: Use materials resistant to organic solvents (rubber, special plastic). Always wear

protective gloves.
Eye protection: Wear safety goggles, face protection when spraying.
Skin protection: Wear safety clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Thick liquid
Colour: Oxide red
Odour: Characteristic
Boiling point: 232 °C water, destillated
Flash point: N.A.
Ignition point: 250 °C 2-butoxyethanol
Density (kg/l): 1 ISO 2811
Viscosity: DIN4 20°C 150 - 180 s
Explosion limits lower (vol. %): 1.1
Explosion limits upper (vol.%): 10.6
Vapour pressure (Pa/20°C): 50 2-Butoxyethanol
Contents of dry substance (wt. %): 50-54
Solubility in water: Miscible

10. STABILITY AND REACTIVITY

Stability: The product is stable under the normal handling, storage and use conditions. Keep tightly closed in the original packaging.
Incompatibility: Not reactive and compatible with the majority of usual substances, except for extreme oxidants. Keep tightly closed in the original packaging.

11. TOXICOLOGICAL INFORMATION

Inhalation: Long inhalation of the organic solvents present in product in concentration, which exceeds the declared threshold limit value (TLV) (Chap. 8), may irritate the mucous tissue of respiratory system and even affect the normal functioning of liver, kidney and central nervous system.
Ingestion: At the ingestion the product may cause tissue damages in digestive tract.
Contact with skin: Long and intensive contact with skin may cause the skin to become dry.
Contact with eyes: Product drops or its vapours in high concentrations may cause irritation of eyes.

The symptoms of the product's effects on the human body are stated in Chapter 4.

Chemical name:	CAS No.	LC50 inhalation	LD50 - Oral	LD50 Dermal
2-Butoxyethanol	111-76-2	Inhalation LC50 (4h) Rat = 450 ppm	Oral LD50 Rat = 1480 mg/kg	Dermal LD50 Rabbit = 490 mg/kg

12. ECOLOGICAL INFORMATION

The product contains 3.5 % of volatile organic substances.

The product should not be spilled in the ground, water, watercourses and drains.

Chemical name	CAS No.	Ecotoxicity conc.:
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2-Butoxyethanol	111-76-2	Aquatic LC50 (96h) fish = 1700 mg/l Aquatic LC50 (48h) Daphnia > 1000 mg/l Aquatic LC50 bacteriae > 5000 mg/l
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13. DISPOSAL CONSIDERATIONS

Contaminated products: The product leftovers , waste and useless packaging should be handled in accordance with the Regulations on processing of special waste (dir. 75/442/EEC, dir. 94/3/EC).

Waste classification number: 08 01 19

Contaminated packaging: Empty the packaging as thoroughly as possible. The thoroughly emptied packaging (dry) may be disposed of as not dangerous waste according to material type.

14. TRANSPORT INFORMATION

Transport by road/by railway - ADR/RID:

According to the regulations the product IS NOT CLASSIFIED AS DANGEROUS.

Transport by sea – IMDG:

According to the regulations the product IS NOT CLASSIFIED AS DANGEROUS.

15. REGULATORY INFORMATION

Labelling:

R-phrases:

No R sentence is added to the preparation.

S-phrases:

S 29 Do not empty into drains.

Regulations: This safety data sheet has been prepared according to the Directive 67/548, 88/379, 92/32, 99/45.

16. OTHER INFORMATION

Meaning of R sentences from the Chapter 3:

R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 34	Causes burns.
R 52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Changes to the sheet were made in section: 2., 3., 8., 9., 11., 12., 14., 15., 16.

The information in this Safety Data Sheet refer only to the mentioned product in the form as delivered and it is not necessary valid when this material is used in the combination with other materials or in the processes, which are not foreseen in the instructions for use. This information is correct to the supplier's best of knowledge and reliable at the time of the publication of this Safety data sheet. It is the user's responsibility to ascertain the suitability of the product for a specific use.

The data in this Safety data sheet do not prove the quality of the product, they are only the instructions for the safe use of the product with the user.

In case of non-compliance with the measures or incorrect use of the product , stated in the Safety data sheet we do not accept any responsibility for the consequences.