

SAFETY DATA SHEET

Acc. to Annex I of Regulation 453/2010/EU

Date of issue: 2nd June 2000
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Revision number: 2

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY /UNDERTAKING

1.1 Product identifier

REMAKOL V 3502 – all hues
REMAKOL – EX V 3500 – all hues
REMAKOL – EX-S V 3501 – all hues
REMAKOL – EX-CONC V 3505 – all hues
REMAL liquid toning dye – all hues
BARLET liquid toning dye – all hues
LAZURA COLOR V 3503 – all hues

1.2 Relevant identified uses of the substance or mixture and uses advised against

Pastes for paint toning

1.3 Details of the supplier of the safety data sheet

Name or trade name: BARVY A LAKY TELURIA, s.r.o.
Registered office/place of business: Skrchov 1, 679 61 Letovice, CZ
Telephone: 516 474 211-2
Fax: 516 474 257
E-mail: teluria@teluria.cz

1.4 Emergency telephone number

Toxikologické informační středisko, Na Bojišti 1, 120 00 Prague 2
Tel: +420 224 919 2 93 or +420 224 915 402 - 24hr. service

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

The mixture **is not classified as hazardous** within the meaning of Regulation 1272/2008/EC

2.2 Labelling elements according to Regulation 1272/2008/EC

Hazardous pictograms: **none**
Signal word: **none**
H- and P-phrases: **none**
Label: Information required for proper and safe use of the preparation

2.3 Other hazards

Direct contact may cause slight irritation of skin and mucous membranes in especially sensitive persons.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

3.2 a) Classification of hazardous ingredients acc. to Regulation (EC) 1272/2008 (CLP)

Toning pastes – all hues

Name of hazardous substance	Conc. in %	Index. no.	Registration no.	Classification, category	H-phrases *)	Signal word	Hazardous pictogram
Carboxymethyl cellulose*	2.5	---	---	STOT SE 3 Skin Irrit.2 Eye Dam 1	H335 H315 H318	Danger	GHS05 GHS08
Triethanolamine**	2	---	---	Eye Irrit.2 Skin Irrit.2 STOT SE 3	H319 H315 H335	Warning	GHS07

3.2 b) Classification of hazardous ingredients acc. to Directive 67/548/EEC

Name of hazardous substance	Conc. in %	Reg. No.	EC no.	CAS no.	Classification, R-phrases *)
Carboxymethyl cellulose *	2.5		---	9004-32-4	Xi R37/38-41
Triethanolamine**	2		203-049-8	102-71-6	Xi R36/37/38

Note:

* - refers only to Remakol

** - refers only to Remakol – EX

Full text of H- and R-phrases is given in section 16 of the SDS

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove the affected person to fresh air, keep at rest and protect from hypothermia.

Skin contact: Remove contaminated clothing and wash skin thoroughly with soap and warm water.

Ingestion: Induce vomiting and rinse mouth with water; if vomiting cannot be induced, give 0.5 l water to drink and seek medical help.

Eye contact: Start immediately rinsing with water and continue for 15-20 minutes, from the inner canthus towards the outer canthus, under the eyelids, with contact lenses removed. Seek medical help.

Most important symptoms and effects, both acute and delayed

May have local irritating effects on eyes, skin, and mucous membranes.

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

In all cases of more serious damages to health or persisting symptoms immediately seek medical help. Inform medical staff on the fact that treatment may be consulted with the Toxicology Centre in Prague.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media to be selected according to materials burning in the vicinity of the preparation; the mixture itself is non-combustible.

5.2 Special hazards arising from the substance or mixture

Toxic products of combustion may be formed.

5.3 Advice for fire-fighters

Use protective clothing and self-contained breathing apparatus if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment – protective clothing, gloves, and goggles.

6.2 Environmental precautions

Prevent from entering soil, surface and ground waters and sewerage systems.

6.3 Methods and materials for containment and cleaning up

Collect usable product back to its packaging. Apply an inert absorbent (sand, sawdust, etc.) to the remains and place in suitable vessels.

6.4 Reference to other sections

Dispose of generated waste in compliance with Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use appropriate personal protective equipment. Prevent contact with skin and eyes. No eating, drinking and smoking at work.

7.2 Conditions for safe storage, including any incompatibilities

Store the preparation in original, tightly closed packaging in sheltered storehouses at +5 to +40 °C. Store out of the reach of children. Keep containers undamaged. Protect from frost. Store separately from foods.

7.3 Specific end use(s)

Pastes for paint toning

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters

The product contains no substances for which permissible exposure limits (PEL) and maximum permissible concentrations of chemicals in work environment (NPK-P) are determined.

Name	Conc. in agent %	CAS no.	PEL (at 25 °C, 100 kPa)	NPK-P mg/m ³ (100 kPa)	ppm conversion factor	Note
Triethanolamine	up to 2	102-71-6	5	10	0.164	

8.2. Exposure controls:

8.2.1 Human exposure control

Prevent exposure where spraying application is performed.

Respiratory protection: Aerosol respirator if aerosol is formed.

Hand protection: Protective gloves. Usable life recommended by the manufacturer must be observed.

Eye protection: Protective goggles or face shield acc. to the work character.

Skin protection: Cotton work clothing.

8.2.2 Environmental exposure control

Prevent the mixture from entering sewerage systems, waters, and soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance (at 20 °C):	Paste
Colour:	Acc. to sample book
Odour:	Odourless
pH (at 20 °C):	8 - 11
Melting point/melting range (°C):	Not determined
Initial boiling point/boiling range (°C):	ca. 100
Flash point (°C):	Non-flammable
Flammability:	Non-flammable
Auto-ignition temperature:	None
Explosive limits:	None
upper limit (% vol.):	None
lower limit (% vol.):	None
Oxidising properties:	None
Vapour pressure (at x °C):	Not determined
Density (at 20 °C):	1.2 – 1.5 g.cm ⁻³
Solubility (at 20 °C):	
in water:	Miscible
in fats:	Non-miscible
(incl. oil specification):	Non-miscible
Partition coefficient n-octanol/water:	Not determined

9.2 Other information

Content of organic solvents (VOC) (in ready-to-use condition) 0 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Minimal – contains ca. 25 – 95 % water

10.2 Chemical stability

Stable at normal temperature and pressure.

10.3 Possibility of hazardous reactions

With water-reacting agents

10.4 Conditions to avoid

Thermal decomposition

10.5 Incompatible materials

Water-reacting agents

10.6 Hazardous decomposition products

Toxic products of combustion may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity of the mixture was not tested.

11.1.2. Sensitisation: The preparation contains no sensitising substances.

11.1.3. Carcinogenicity: The preparation contains no carcinogenic substances.

11.1.4. Mutagenicity: The preparation contains no substances classified as mutagens.

11.1.5. Toxicity for reproduction: The preparation contains no substances classified as toxic for reproduction.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Ecotoxicity of the mixture was not tested.

The mixture is hazardous for surface waters. Prevent it from entering waters, soil, and sewerage systems.

12.2 Persistency and degradability

The mixture is biodegradable.

12.3 Bioaccumulative potential: Not known.

12.4 Mobility in soil: Not known

12.5 Results of PBT and vPvB assessment: Neither the mixture nor its ingredients are PBT or vPvB.

12.6 Other adverse effects

At normal handling, the preparation shows no anomalies in biological treatment plants.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of unusable remains of the product as other waste. Waste code: 080112, waste category: O.

Dispose of the packaging as other waste or recycle after cleaning. Waste code: 150102, waste category: O.

SECTION 14: TRANSPORT INFORMATION

The product is not hazardous regarding transport.

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packaging group

14.5 Environmental hazards: Hazardous for the environment.

14.6 Special precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture // Legal regulations applicable to the product // Legal regulations applicable to the substance/preparation:

Regulation (EC) of the European Parliament and of the Council no. 1907/2006, on registration, evaluation, authorisation and restriction of chemicals (REACH), on establishing a European Chemicals Agency and on implementing and related regulations. ▪ Regulation (EC) of the European Parliament and of the Council no. 1272/2008, on classification, labelling and packaging of substances and mixtures ▪ Act no. 350/2011 Coll., on chemical substances and mixtures ▪ Act no. 185/2001 Coll., on wastes and on changes of some other acts. Ordinance no. 381/2001 Coll. Waste Catalogue ▪ Ordinance no. 383/2001 Coll., on details of waste handling ▪ Act no. 258/2000 Coll., on public health ▪ Government Decree no. 361/2007 Coll., laying down conditions for occupational health safety ▪ Ordinance no. 415/2012 Coll., on permissible pollution limits and air protection ▪ Act no. 477/2001 Coll., on packaging, as amended ▪ Act no. 59/2006 Coll., on prevention of serious accidents ▪ European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) and European Agreement concerning the International Carriage of Dangerous Goods by Rail (RID), as amended

15.2 Chemical safety assessment:

Chemical safety assessment for the product was not performed.

SECTION 16: OTHER INFORMATION

List of relevant hazard statements and R-phrases used in the SDS:

3.2 a)

H318 Causes serious eye damage

H319 Causes serious eye irritation

H315 Causes skin irritation

H335 May cause respiratory irritation.

3.2 b)

R36/37/38 Irritating to eyes, respiratory system and skin.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

Changes from the previous issue: Formal changes of the SDS arrangement – harmonising with Annex I of Regulation (EC) of the European Parliament and of the Council no. 453/2010

Key literature references and sources for data:

SDS's of suppliers of raw materials, Databases ECB ESIS: EINECS/ELINCS (European Chemicals Bureau – European chemical Substances Information System) ChemDat Merck, Fluka, Database DANELA Ekoline s.r.o. Brno

Training advice:

Any legal person or natural person carrying out a business handling this chemical preparation must read data contained in this SDS and be trained on safety rules.

Notice: The SDS was elaborated in compliance with Annex I of Regulation (EC) of the European Parliament and of the Council no. 453/2010. The classification was performed with a conventional calculation method. The SDS contains data on the provision of occupational health and safety and environmental protection. The data provided correspond to the current knowledge and experience and comply with valid legal regulations. They cannot be considered a guarantee of the product suitability and usability for a particular application.

Safety Data Sheet was elaborated by:

Ing. Josef Beran, tel. +420 602 496 218, e-mail: beran@teluria.cz