

## SECURITY DATA SHEET

Updating date: 27.06.2023

Version: 2

(\*\*) Indicates changes from the previous version

### SECTION 1. IDENTIFICATION OF THE PRODUCT

**1.1 Product identifier:** Polymer for restorator headlights 500ml  
 Other forms of identification: 100937

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

Relevant uses: Vehicle headlamp repair by liquid polymer vaporisation. Professional use.

Uses advised against: No additional information available.

**1.3 Details of the supplier of the safety data sheet:** (See SDS Headline).

**1.4 Emergency telephone:** 93 860 49 23 (8:00 - 17:30).

### SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**

**Classification according to Regulation (EC) No.1272/2008 (CLP)**

Eye Irrit. 2: H319.

STOT SE 3: H336.

Aquatic Chronic 3: H412.

Full text of hazard classes, H- and EUH-statements: see section 16.

**Adverse physicochemical, human health and environmental effects**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**2.2 Label elements:**

**Labelling according to Regulation (EC) No.1272/2008 (CLP)**

**Hazard pictograms (CLP):**



GHS07

**Signal word (CLP):**

Warning.

**Contains:**

Trans-dichloroethylene.

**Hazard statements (CLP):**

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements (CLP):**

P261 - Avoid breathing vapours.

P273 - Avoid release to the environment.

P280 - Wear eye protection, face protection, protective gloves.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 - Dispose of contents and container to appropriate collection point.



### 2.3 Other hazards:

PBT: not yet assessed.

vPvB: not yet assessed.

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59 (1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%.

## SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1 Substance:

Not applicable.

### 3.2 Mixtures:

Identification		Classification according to Regulation (EC) No.1272/2008 (CLP)	Concentration
CAS:	156-60-5	Trans-dichloroethylene Flam. Liq. 2, H225; Acute Tox. 4 (Inhalation), H332; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412	30 – 40%
EC:	205-860-2		
Index:	602-026-00-3		

Full text of H- and EUH-statements: see section 16.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures:

#### First-aid measures after inhalation:

Remove person to fresh air and keep comfortable for breathing.

#### First-aid measures after skin contact:

Wash skin with plenty of water.

#### First-aid measures after eye contact:

Rinse eyes with water as a precaution. Consult an ophtalmologist if irritation persists.

#### First-aid measures after ingestion:

Call a poison center or a doctor if you feel unwell.

### 4.2 Most important symptoms and effects, both acute and delayed:

#### Symptoms/effects:

May cause drowsiness or dizziness.

#### Symptoms/effects after eye contact:

Eye irritation.

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

Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

#### Suitable extinguishing media:

Water spray.

Dry powder.

Foam.

Carbon dioxide.

#### Unsuitable extinguishing media:

Do not use a heavy water stream.

**5.2 Special hazards arising from the substance or mixture:****Hazardous decomposition products in case of fire:**Carbon oxides (CO, CO<sub>2</sub>).

Nitrogen oxides.

**5.3 Advice for firefighters:****Protection during firefighting:**

Do not attempt to take action without suitable protective equipment.

Self-contained breathing apparatus.

Complete protective clothing.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Emergency procedures: Ventilate spillage area.

**For emergency responders:**

Protective equipment: Do not attempt to take action without suitable protective equipment.

For further information refer to section 8: "Exposure controls/personal protection".

**6.2 Environmental precautions:**

Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up:****Methods for cleaning up:**

Take up liquid spill into absorbent material.

Notify authorities if product enters sewers or public waters.

**Other information:**

Dispose of materials or solid residues at an authorized site.

**6.4 Reference to other sections:**

For further information refer to sections 8 and 13.

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**SECTION 7. HANDLING AND STORAGE**

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**7.1 Precautions for safe handling:****A.- Precautions for safe handling**

Ensure good ventilation of the work station.

Wear personal protective equipment.

**B.- Hygiene measures**

Do not eat, drink or smoke when using this product.

Always wash hands after handling the product.

**7.2 Conditions for safe storage, including any incompatibilities:****A.- Storage conditions**

Store in a well-ventilated place.

Keep cool.

**B.- Incompatible products**

Strong acids.

Strong bases.

**C.- Incompatible materials**

Sources of ignition.

Heat sources.

Direct sunlight.

### 7.3 Specific end use(s):

See section 1.

## SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control parameters:

#### National occupational exposure and biological limit values

No additional information available.

#### Recommended monitoring procedures

No additional information available.

#### Air contaminants formed

No additional information available.

#### DNEL and PNEC

No additional information available.

#### Control banding

No additional information available.

### 8.2 Exposure controls:

#### A.- Appropriate engineering controls:

Ensure good ventilation of the work station.

#### B.- Personal protection equipment:

Avoid all unnecessary exposure.

#### C.- Eye and face protection:

Pictogram	Eye protection
	Safety goggles with side protection against splashes (UNE-EN 166:2002). Safety glasses.

#### D.- Skin protection:

Pictogram	Skin and body protection
	Wear suitable protective clothing.

Pictogram	Hand protection
	Protective gloves.

#### E.- Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

#### F.- Thermal hazards:

No additional information available.

#### G.- Environmental exposure controls:

##### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Physical state:	Liquid.
Colour:	Colourless.
Odour:	Mild.
Odour threshold:	Not available.
Melting point:	Not applicable.
Freezing point:	Not available.
Boiling point:	46.2 °C ISO 13736.
Flammability:	The product is not flammable.
Explosive limits:	Not available
Lower explosion limit:	Not available
Upper explosion limit:	Not available
Flash point:	The product does not ignite before reaching its boiling point.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
pH:	7.
pH solution concentration:	100%.
Viscosity, kinematic:	Not available.
Solubility:	Not available.
Partition coefficient n-octanol/water (Log Kow):	Not available.
Vapour Pressure 20°C:	Not available.
Vapour pressure at 50°C:	Not available.
Density:	Not available.
Relative density:	Not available.
Vapour density:	Not available.
Particle characteristics:	Not applicable.

### 9.2 Other information:

**Information with regard to physical hazard classes:**

No additional information available.

**Other safety characteristics:**

No additional information available.

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2 Chemical stability:

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use.

### 10.4 Conditions to avoid:

None under recommended storage and handling conditions (see section 7).

### 10.5 Incompatible materials:

Strong acids.  
Strong bases.  
Strong reducing agents.  
Strong oxidizing agents.

**10.6 Hazardous decomposition products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No1272/2008:****Acute toxicity (oral):**

Not classified (Based on available data, the classification criteria are not met.)

**Acute toxicity (dermal):**

Not classified (Based on available data, the classification criteria are not met.)

**Acute toxicity (inhalation):**

Not classified (Based on available data, the classification criteria are not met.)

Identification	Acute toxicity	
Trans-dichloroethylene CAS: 156-60-5	ATE CLP (gases)	4500 ppmv/4h
	ATE CLP (vapours)	11 mg/l/4h
	ATE CLP (dust, mist)	1,5 mg/l/4h

**Skin corrosion/irritation:**

Not classified (Based on available data, the classification criteria are not met.)

pH: 7.

**Serious eye damage/irritation:**

Causes serious eye irritation.

pH: 7.

**Respiratory or skin sensitisation:**

Not classified (Based on available data, the classification criteria are not met.)

**Germ cell mutagenicity:**

Not classified (Based on available data, the classification criteria are not met.)

**Carcinogenicity:**

Not classified (Based on available data, the classification criteria are not met.)

**Reproductive toxicity:**

Not classified (Based on available data, the classification criteria are not met.)

**STOT-single exposure:**

May cause drowsiness or dizziness.

Identification	STOT-single exposure
Trans-dichloroethylene CAS: 156-60-5	May cause drowsiness or dizziness.

**STOT-repeated exposure:**

Not classified (Based on available data, the classification criteria are not met.)

**Aspiration hazard:**

Not classified (Based on available data, the classification criteria are not met.)

**11.2 Information on other hazards:****A.- Endocrine disrupting properties****Adverse health effects caused by endocrine disrupting properties**

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%.

**B.- Other information**

No additional information available.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

#### Ecology - general:

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

#### Hazardous to the aquatic environment, short-term (acute):

Not classified (Based on available data, the classification criteria are not met.)

#### Hazardous to the aquatic environment, long-term (chronic):

Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability:

No additional information available.

### 12.3 Bioaccumulative potential:

No additional information available.

### 12.4 Mobility in soil:

No additional information available.

### 12.5 Results of PBT and vPvB assessment:

PBT: not yet assessed

vPvB: not yet assessed.

### 12.6 Endocrine disrupting properties:

#### Adverse effects on the environment caused by endocrine disrupting properties:

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%.

### 12.7 Other adverse effects:

No additional information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14. TRANSPORT INFORMATION

### ADR:

14.1 UN number or ID number:	Not regulated.
14.2 UN proper shipping name:	Not regulated.
14.3 Transport hazard class(es):	Not regulated.
14.4 Packing group:	Not regulated.
14.5 Environmental hazards:	Not regulated.
14.6 Special precautions for user	
Overland transport:	Not regulated.
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable.

#### IMDG:

14.1 UN number or ID number:	Not regulated.
14.2 UN proper shipping name:	Not regulated.
14.3 Transport hazard class(es):	Not regulated.
14.4 Packing group:	Not regulated.
14.5 Environmental hazards:	Not regulated.
14.6 Special precautions for user	
Transport by sea:	Not regulated.
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable.

#### IATA:

14.1 UN number or ID number:	Not regulated.
14.2 UN proper shipping name:	Not regulated.
14.3 Transport hazard class(es):	Not regulated.
14.4 Packing group:	Not regulated.
14.5 Environmental hazards:	Not regulated.
14.6 Special precautions for user	
Air transport:	Not regulated.
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable.

#### ADN:

14.1 UN number or ID number:	Not regulated.
14.2 UN proper shipping name:	Not regulated.
14.3 Transport hazard class(es):	Not regulated.
14.4 Packing group:	Not regulated.
14.5 Environmental hazards:	Not regulated.
14.6 Special precautions for user	
Inland waterway transport:	Not regulated.
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable.

#### RID:

14.1 UN number or ID number:	Not regulated.
14.2 UN proper shipping name:	Not regulated.
14.3 Transport hazard class(es):	Not regulated.
14.4 Packing group:	Not regulated.
14.5 Environmental hazards:	Not regulated.
14.6 Special precautions for user	
Rail transport:	Not regulated.
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable.

## SECTION 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

#### A.- EU-Regulations:

##### REACH Annex XVII (Restriction List):

EU restriction list (REACH Annex XVII):		
Reference code	Applicable on	Entry title or description
3(a)	Trans-dichloroethylene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F.



3(b)	Headlight renovator polymer 500 ml; trans-dichloroethylene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10.
3(c)	Headlight renovator polymer 500 ml; trans-dichloroethylene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1.
40.	Trans-dichloroethylene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

**REACH Annex XIV (Authorisation List):**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List).

**REACH Candidate List (SVHC):**

Contains no substance(s) listed on the REACH Candidate List.

**PIC Regulation (Prior Informed Consent):**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).

**POP Regulation (Persistent Organic Pollutants):**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

**Ozone Regulation (1005/2009):**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).

**Explosives Precursors Regulation (2019/1148):**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors).

**Drug Precursors Regulation (273/2004):**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

**B.- National regulations**

No additional information available.

**15.2 Chemical Safety Assessment:**

No chemical safety assessment has been carried out.

## SECTION 16. OTHER INFORMATION

**Indication of changes:**

2.1 - Classification of the substance or mixture.

9 - Physical and chemical properties.

**Abbreviations and acronyms:**

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

DNEL: Derived-No Effect Level.

EC50: Median effective concentration.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods.

LC50: Median lethal concentration.

vPvB: Very Persistent and Very Bioaccumulative.

PBT: Persistent Bioaccumulative Toxic.

PNEC: Predicted No-Effect Concentration.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

**Data sources:**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. SDS EU format according to COMMISSION REGULATION (EU) 2020/878.

**Other information:**

Refer to the safety data sheet before handling or disposing.

**Full text of H- and EUH-statements:**

Acute Tox. 4 (Inhalation): Acute toxicity (inhal.), Category 4.

Aquatic Chronic 3: Hazardous to the aquatic environment – Chronic Hazard, Category 3.

Eye Irrit. 2: Serious eye damage/eye irritation, Category 2.

Flam. Liq. 2: Flammable liquids, Category 2.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

STOT SE 3: Specific target organ toxicity – Single exposure, Category 3, Narcosis.

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

Eye Irrit. 2: H319 - Calculation method.

STOT SE 3: H336 - Calculation method.

Aquatic Chronic 3: H412 - Calculation method.

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.