

## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers Article

no. (manufacturer/supplier): 7701500  
Sales designation: CARDIP® Aqua+ Reducer 500 / Adjustment Additive 500

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

Relevant identified uses: Additive product for adjusting the viscosity of CARDIP® Aqua+ BaseCoat 5080 (77015080). The product is intended for commercial use.

#### 1.3 Details of the supplier providing the safety data sheet

Supplier: Colosol Coatings GmbH Tel.: +49 7066 - 96 59 400  
Buchäckerring 36 E-mail: lab@cardip.org  
74906 Bad Rappenau  
Germany

#### 1.4 Emergency number:

24 hours emergency number (CHEMTREC) Switzerland: +(41) 435082011  
Germany: +(49) 6964 - 3508409 / 0800-1817059 Belgium: +(32) 28083237  
Austria: +(43) 13649237 Luxembourg: +(352) 20202416

## SECTION 2: POTENTIAL HAZARDS

#### 2.1 Classification of the substance or mixture

This product does not meet the classification requirements of current European legislation.

#### Classification according to Regulation (EC) No 1272/2008 [CLP].

Not classified

#### 2.2 Labeling elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP].

Hazard statements: Safety not applicable  
instructions: Signal words not applicable  
Additional information on the label: EUH210: Safety data sheet available on request. May cause allergic reactions.

2.3 Other hazards: none identified

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2 Chemical characterization: Mixtures

#### Regulation No. 1272/2008

Taking into account the legal regulations to be observed, no hazardous properties have become known for the product. See section 15 of REACH Regulation (EC) No 1907/2006 Article 59(1). Candidate List (Substances of Very High Concern (SVHC))

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of the first aid measures

<b>After inhalation:</b>	Remove exposed person to fresh air if adverse effects are observed. Wash with soap and water. If
<b>After skin contact:</b>	skin irritation occurs: Seek medical advice/attention.
<b>After eye contact:</b>	Material that comes into contact with the eyes must be washed out immediately with water. If possible without difficulty, remove contact lenses.
<b>After ingestion:</b>	Treat symptoms. See a doctor.

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

See section 11.

### 4.3 Indications for immediate medical help or special treatment

<b>Hazards:</b>	No data available. Treat
<b>Treatment:</b>	symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

General fire hazards: No information on unusual fire or explosion hazards.

### 5.1 Extinguishing

<b><u>media Suitable</u></b>	Carbon dioxide, powder and foam extinguishing agents; water spray, water mist. not
<b>extinguishing media:</b>	determined.

**For security reasons  
unsuitable extinguishing  
agents:**

### 5.2 Special hazards arising from the substance or mixture

See section 10 for more information. The product does not burn.

### 5.3 Advice for fire fighting

inapplicable

## SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE

### 6.1 Personal precautions, protective equipment and procedures to be used in case of emergency

inapplicable

### 6.2 Environmental protection measures

inapplicable

### 6.3 Methods and material for retention and cleaning

inapplicable

### 6.4 Reference to other sections

See sections 8 and 13 for further information.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Protective measures for safe handling

Observe recognized industrial hygiene measures. Ensure adequate ventilation. Wear suitable personal protective equipment.

Avoid contact with eyes and prolonged or repeated contact with skin. Do not inhale mists and vapors. Do not eat, drink or smoke while working. Keep containers that are not in use closed. Minimize contact with air to reduce contamination by mold, fungus, or other organisms that may cause decay or spoilage. Wash thoroughly after handling.

### 7.2 Conditions for safe storage taking into account incompatibilities

Store away from incompatible materials. See Section 10 regarding incompatible materials. Protect from freezing. Do not store in open, unlabeled or mislabeled containers.

**Maximum storage** not applicable not

**temperature: TRGS 510** applicable

**Storage instructions:**

### 7.3 Specific end uses

No further relevant information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

**Additional notes on the design of technical installations:** No further information, see section 7.

### 8.1 Parameters to be monitored

**Occupational exposure limit values:** Occupational exposure limits do not apply to any of the ingredients.

### 8.2 Exposure controls and monitoring

**Appropriate engineering control devices:** Process the product only in a well-ventilated environment. Provide adequate ventilation so that exposure limits are not exceeded. Mechanical ventilation system or local exhaust system may be required.

### **Individual protective measures, for example personal protective equipment**

**General Information:** Please follow the guidelines below for recommended personal protective equipment (PPE) and refer to the relevant EN standard if necessary. Use prescribed personal protective equipment.

**Respiratory protection:** Ensure compliance with occupational exposure limits and/or other limits. For short-term or low-level exposure, respiratory filter device; for intensive or prolonged exposure Use self-contained breathing apparatus. Use respiratory protection in case of insufficient ventilation. Filter A/P2

**Hand protection:** Preventive skin protection by using skin protectants is recommended. To avoid skin problems, the wearing of gloves should be reduced to the necessary extent. Before each new use of the glove, the tightness must be checked. The glove material must be impermeable and resistant to the product / substance / preparation. Selection of the glove material considering the breakthrough times, permeation rates and degradation.

**Glove material:** DIN EN 374  
Butyl rubber Nitrile  
rubber PVA gloves  
Recommended material thickness:  $\geq 0.7$  mm  
The selection of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer. Since the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.  
Penetration time of the glove material Value for permeation: Level  $\leq 6$  ( $\geq 480$ min)  
The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

**Eye** Tightly sealed safety goggles according to DIN EN 166

**protection:** Use protective clothing.  
Wearing a chemically resistant PPE/overalls is necessary to minimize physical impact.

**Body**

**protection:**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

#### Appearance:

State of aggregation:	Liquid
color:	Colorle
Odor:	ss
Odor threshold:	Neutral
pH value at 20 °C: Melting point/Freezing point: Initial boiling point and boiling range:	No data available. 7-9 About 0° C Approximately 100° C
Flash point:	Not applicable.
Flammability (solid, gas):	There are no data available.
Evaporation rate: Decomposition temperature: Auto-ignition temperature:	< 1 n-butyl acetate = 1 There are no data available. There are no data available.
Explosive properties:	There are no data available.

#### Upper/lower flammability or explosion limits:

Lower explosion limit:	There is no data available.
Upper explosion limit:	No data available.
Vapor pressure at 20 °C:	About 16 torr
Relative density:	1,00 (15,6 °C)
Vapor density:	< 1
Solubility in / Miscibility with water:	Fully miscible with water.
Viscosity:	<1.00 mPa.s (25 °C)
Explosive properties:	There are no data available.
Oxidizing properties: Volatile organic compounds content substances (VOC):	No data available. There are no data available.

### 9.2 Other information

Bulk density:	Approximately 0.99 lb/gal (25 °C)
Percentage of solids.: Percentage of volatile components:	Approximately 0% (weight percent) Approximately 100% (weight percentage)

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

There are no data available.

### 10.2 Chemical stability

The material is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Does not occur.

### 10.4 Conditions to avoid

Do not freeze.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

Not known.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Information on probable routes of exposure:**

There are no data available.

### 11.1 Information on toxicological effects

**Acute toxicity:**

Based on available data, the classification criteria are not met.

**Ingestion:**

May irritate the digestive tract.

ATEmix (estimated acute toxicity of the mixture) not applicable

**Skin contact:**

Not classified for acute toxicity on the basis of available data. not

**Inhalation:**

applicable

**Skin corrosion/irritation:**

inapplicable

**Primary irritant effect:**

**Corrosion/irritation of the skin;  
Serious eye damage/irritation:**

Comments:

Not classified as a primary irritant to the eye.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Primary irritant effect:

**Respiratory/skin sensitization:** There are no data available.

**Other effects:** Persons with sensitive respiratory tract (e.g. asthmatics) may react to the vapors.

### CMR effects (carcinogenic, mutagenic and toxic for reproduction):

**Germ cell** No data available. No

**mutagenicity:** data available. No data

**Carcinogenicity:** available.

### Reproductive toxicity:

**Specific target organ toxicity at single exposure:** No data available.

**pecific target organ toxicity with repeated exposure:** No data available.

**Aspiration hazard** No data available.

## SECTION 12: ENVIRONMENTAL DISCLOSURES

### 12.1 Toxicity

**Aquatic toxicity:** No data available.

**12.2 Persistence and degradability** No data available. No

**12.3 Bioaccumulative potential** data available.

**12.4 Mobility in soil** No data available.

**12.5 Other adverse effects** No data available.

## SECTION 13: NOTES ON DISPOSAL

### 13.1 Waste treatment method

#### Proper disposal / product

**Recommendation** Handle, store, transport and dispose of in accordance with applicable federal, state/provincial and local regulations. Since empty containers contain product residues, follow the warning label even after the container has been emptied.

**Uncleaned packaging:** Dispose of in accordance with official regulations.  
**Recommendation**

## SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID):	Not a hazardous material.
Sea transport (IMDG):	Not a hazardous material.
Air transport (ICAO-TI / IATA-DGR):	Not a hazardous material.

### 14.4 Packing group

No hazardous material. APEO FREE! No dangerous goods. APEO

### 14.5 Environmental hazards

FREE! None known.

### 14.6 Carriage in bulk according to Annex II of the MARPOL Convention and according to the IBC Code

None known.

## SECTION 15: LEGAL PROVISIONS

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

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer:  
None present or none present in regulated quantities.

REGULATION (EC) No. 850/2004 on persistent organic pollutants:  
None present or none present in regulated quantities.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals:  
None present or none present in regulated quantities.

Regulation (EC) No 1907/2006, REACH Article 59(1). Candidate list:  
None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006, REACH Annex XIV List of Substances Subject to Authorization, as amended:  
None present or none present in regulated quantities.

Regulation (EC) No 1907/2006 Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles: Not applicable.

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work: None present or none present in regulated quantities.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding:  
None present or none present in regulated quantities.

Directive 96/82/EC (Seveso III) on the control of major-accident hazards involving dangerous substances: None present or none present in regulated quantities.

REGULATION (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register, ANNEX II: Pollutants: None present or none present in regulated quantities.

Directive 98/24/EU on the protection of workers from the risks related to chemical agents at work: None present or none present in regulated quantities.



## SECTION 15: LEGAL PROVISIONS

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

#### National regulations Water

hazard class (WGK): inapplicable

### 15.2 Chemical safety assessment

A chemical safety assessment was not performed.

## SECTION 16: OTHER DISCLOSURES

The information is based on the present state of our knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. The information in this safety data sheet complies with national and EU legislation. The product must not be used for any purpose other than that stated in section 1 without written permission. The user is responsible for compliance with all necessary legal requirements.

### 16.1 Relevant sentences

None known.

### 16.2 Waiver of rights / Disclaimer

This leaflet is based on intensive development work and many years of practical experience. The content does not express a contractual legal relationship but serves as a guide.

No warranty is given for correctness and completeness. The supplier is not liable for any damage caused by the use of or contact with the product. The processor/buyer is not released from checking the product for suitability for the intended application. In addition, our ABG apply.

### 16.3 Abbreviations and acronyms

ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road). Street)
CAS	Chemicals Abstract Service
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GefStoffV	Ordinance on Hazardous Substances (Germany)
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association

## SECTION 16: OTHER DISCLOSURES

### 16.3 Abbreviations and acronyms

ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
VOCV	Incentive tax on volatile organic compounds, Switzerland (Swiss Ordinance on volatile organic compounds)
VOC	Volatile Organic Compounds (USA, EU)

**Further information:**

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

The information in this safety data sheet corresponds to our current knowledge as well as to national and EU regulations. The product must not be used for any purpose other than that specified in chapter 1 without written permission. It is always the responsibility of the user to take all necessary measures to comply with the requirements laid down in local rules and laws. The information in this safety data sheet describes the safety requirements of our product and does not represent any assurance of product properties.