



Safety Data Sheet
 according to Regulation (EC)
 No. 2015/830



SECTION 1: Identification of the Substance/Mixture and the Company/Undertaking

| | | | |
|--|--|-------------------------|------------|
| 1.1 Product Identifier | 11205000 | Revision Date: | 24/05/2017 |
| Product Name: | PHENOLINE 1205 - B | Supersedes Date: | 15/05/2015 |
| | | Version Number: | 1 |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | Hardener for 2 components coatings - Industrial use. | | |
| Product to be mixed with: | PHENOLINE 1205 - A | | |
| Mixing ratio by volume Part A/ Part B: | 4 / 1 | | |
| 1.3 Details of the supplier of the safety data sheet | | | |
| Importer: | StonCor Europe 9, Rue du Travail - 1400 Nivelles, Belgium | | |
| Manufacturer: | Carboline Italia, S.p.a. Via Margherita Vigano' De Vizzi . n 77 20092 Cinisello Balsamo (MI) Italy | | |
| | Regulatory / Technical Information: +32 67493710 Nivelles, Belgium +39 02253751 Cinisello Balsamo, Italy | | |
| Datasheet Produced by: | Solvesi, Anna - ehs@stoncor.com | | |
| 1.4 Emergency telephone number: | CHEMTREC +1 703 5273887 (Outside US) PPC +1 412 6816669 (Outside US) Centro Antiveleni di Roma +39 06 49978000 (CAV Policlinico Umberto I - Roma)(24h/24h) Emergenza ambientale +39 335-601 32 88 / +39 347-949 84 88 / +39 348-246 90 99 | | |

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

| | |
|--|---------|
| Acute Toxicity, Oral, category 4 | H302 |
| Acute Toxicity, Dermal, category 4 | H312 |
| Skin Corrosion, category 1B | H314-1B |
| Acute Toxicity, Inhalation, category 4 | H332 |
| STOT, single exposure, category 3, RTI | H335 |

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

Benzyl alcohol, 1,2-cyclohexanediamine

HAZARD STATEMENTS

| | | |
|--|---------|--|
| Acute Toxicity, Oral, category 4 | H302 | Harmful if swallowed. |
| Acute Toxicity, Dermal, category 4 | H312 | Harmful in contact with skin. |
| Skin Corrosion, category 1B | H314-1B | Causes severe skin burns and eye damage. |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |

PRECAUTION PHRASES

| | |
|----------------|---|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P270 | Do not eat, drink or smoke when using this product. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position 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 so. Continue rinsing. |
| P333+313 | If skin irritation or rash occurs: Get medical advice/attention. |

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

No information

SECTION 3: Composition/Information On Ingredients

3.2 Mixtures

Hazardous Ingredients

| <u>CAS-No.</u> | <u>EINEC No.</u> | <u>Name According to EEC</u> | <u>%</u> |
|----------------|------------------|------------------------------|----------|
| 694-83-7 | 211-776-7 | 1,2-cyclohexanediamine | 50-75 |
| 100-51-6 | 202-859-9 | Benzyl alcohol | 25-50 |

| <u>CAS-No.</u> | <u>REACH Reg No.</u> | <u>CLP Symbols</u> | <u>CLP Hazard Statements</u> | <u>M-Factors</u> |
|----------------|----------------------|--------------------|------------------------------|------------------|
| 694-83-7 | 01-2119976312-37 | GHS05-GHS07 | H302-312-314-332-335 | |
| 100-51-6 | 01-2119492630-38 | GHS07 | H302-319-332 | |

Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice.

AFTER INHALATION: Move to fresh air. Call a physician or poison control centre immediately.

AFTER SKIN CONTACT: Wash off immediately with soap and plenty of water while removing all contaminated clothes and

shoes.

AFTER EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Should not be released into the environment.

6.3 Methods and material for containment and cleaning up

Pick up and transfer to properly labelled containers. Prevent further leakage or spillage if safe to do so.

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin and clothing.
When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: No Information

STORAGE CONDITIONS: Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (UK WELS)

| <u>Name</u> | <u>CAS-No.</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> |
|------------------------|----------------|-----------------|-----------------|-------------------|-------------------|
| 1,2-cyclohexanediamine | 694-83-7 | | | | |
| Benzyl alcohol | 100-51-6 | | | | |

| <u>Name</u> | <u>CAS-No.</u> | <u>OEL Note</u> |
|------------------------|----------------|-----------------|
| 1,2-cyclohexanediamine | 694-83-7 | |
| Benzyl alcohol | 100-51-6 | |

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Respirator with a vapour filter (EN 141). Wear a positive-pressure supplied-air respirator.

EYE PROTECTION: Tightly fitting safety goggles.

HAND PROTECTION: Impervious butyl rubber gloves. Nitrile rubber. Protective gloves complying with EN 374.

PVC/Neoprene/Chemical resistant apron. Long sleeved clothing. Remove and wash contaminated clothing before re-use.

OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas.

Chemical Name:

1,2-cyclohexanediamine

EC No.:

211-776-7

CAS-No.:

694-83-7

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|------------------------------------|------------------------|------------------------------------|--------------------------|------------------------------------|------------------------|------------------------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | 750 µg/kg bw/day |
| Inhalation | 500 µg/m ³ | | 250 µg/m ³ | | 250 µg/m ³ | | 125 µg/m ³ | |
| Dermal | High hazard (no threshold derived) | | High hazard (no threshold derived) | 1.5 mg/kg bw/day | High hazard (no threshold derived) | | High hazard (no threshold derived) | 750 µg/kg bw/day |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|------------------------------------|------------------------|
| Fresh water | 420 µg/L |
| Fresh water sediments | 1.82 mg/kg sediment dw |
| Marine water | 42 µg/L |
| Marine sediments | 182 µg/kg sediment dw |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | 117 µg/kg soil dw |
| Air | |

Chemical Name:

Benzyl alcohol

EC No.:

202-859-9

CAS-No.:

100-51-6

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|-------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | |
| Inhalation | | 110 mg/m ³ | | 22 mg/m ³ | | 25 mg/Kg bw/day | | 5 mg/Kg bw/day |
| Dermal | | 40 mg/kg bw/day | | 8 mg/kg bw/day | | 40.55 mg/m ³ | | 8.11 mg/m ³ |
| | | | | | | 28.5 mg/Kg bw/day | | 5.7 mg/Kg bw/day |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|----------------|
| Environmental protection target | PNEC |
| Fresh water | 1 mg/l |
| Fresh water sediments | 5.27 mg/Kg ww |
| Marine water | 0.1 mg/l |
| Marine sediments | 0.527 mg/Kg ww |
| Food chain | |
| Microorganisms in sewage treatment | 39 mg/l |
| soil (agricultural) | 0.456 mg/Kg ww |
| Air | |

SECTION 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

| | |
|---|----------------------|
| Appearance: | Viscous Amber Liquid |
| Physical State | LIQUID |
| Odor | Strong Amine |
| Odor threshold | Not determined |
| pH | N/A |
| Melting point / freezing point (°C) | Not determined |
| Boiling point/range (°C) | 205 - N.D. |
| Flash Point, (°C) | 94 |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not determined |
| Upper/lower flammability or explosive limits | Not determined |
| Vapour Pressure | <10,34 mmHg @ 21 °C |
| Vapour density | Not determined |
| Relative density | 1.04 |
| Solubility in / Miscibility with water | N/D |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | Not determined |
| Decomposition temperature (°C) | Not determined |
| Viscosity | Not determined |
| Explosive properties | Not determined |
| Oxidising properties | Not determined |

9.2 Other information

| | |
|--|------|
| VOC Content g/l: | 350 |
| Grams of VOC per liter of coating product as applied per ISO 11890-1 and/or ISO 11890-2. | |
| Specific Gravity (g/cm ³) | 1.04 |

SECTION 10: Stability and Reactivity**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

No Information

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

No Information

10.5 Incompatible materials

No Information

10.6 Hazardous decomposition products

No Information

SECTION 11: Toxicological Information**11.1 Information on toxicological effects****Acute Toxicity:**

Oral LD50: No Information

Inhalation LC50: No Information

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|------------------------------|-----------------------|--------------------|-------------------|
| 694-83-7 | 1,2-cyclohexanediamine | 1752 mg/kg, rat, oral | | |
| 100-51-6 | Benzyl alcohol | 1230 mg/kg rat | 2980 mg/kg, rabbit | |

Additional Information:

No Information

SECTION 12: Ecological Information

| | |
|---|----------------|
| 12.1 Toxicity: | |
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae): | No information |
| LC50 96hr (fish): | No information |
| 12.2 Persistence and degradability: | No information |
| 12.3 Bioaccumulative potential: | No information |
| 12.4 Mobility in soil: | No information |
| 12.5 Results of PBT and vPvB assessment: | No information |
| 12.6 Other adverse effects: | No information |

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|------------------------------|--------------------------|------------------|------------------|
| 694-83-7 | 1,2-cyclohexanediamine | No information | No information | |
| 100-51-6 | Benzyl alcohol | 400 mg/L (daphnia magna) | 700 mg/L (algae) | 10 mg/L (fish) |

SECTION 13: Disposal Considerations

13.1 WASTE TREATMENT METHODS: It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

European Waste Code: 080111*
Packaging Waste Code: 150110

SECTION 14: Transport Information

| | |
|--|-----------------------|
| 14.1 UN number | UN 3066 |
| 14.2 UN proper shipping name | .PAINT |
| Technical name | Not applicable |
| 14.3 Transport hazard class(es) | 8 |
| Subsidiary shipping hazard | Not applicable |
| 14.4 Packing group | II |
| 14.5 Environmental hazards | Marine Pollutant : NO |
| 14.6 Special precautions for user | Not applicable |
| EmS-No.: | F-A, S-B |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Not applicable |

SECTION 15: Regulatory Information

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

National Regulations:

Denmark Product Registration Number: Not available
Danish MAL Code: Not available

| | |
|--|--------------------|
| Danish MAL Code - Mixture: | Not available |
| Sweden Product Registration Number: | Not available |
| Norway Product Registration Number: | Not available |
| WGK Class: | 1 |
| Directive 2004/42/CE : | 350 g/l (subcat j) |

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information**Text for CLP Hazard Statements shown in Section 3 describing each ingredient:**

| | |
|------|--|
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

Reasons for revision

Regulatory Formula Source Changed

Substance Chemical Name Changed

Substance and/or Product Properties Changed in Section(s):

- 02 - Hazard Identification
- 03 - Composition/Information On Ingredients
- 08 - Exposure Controls/Personal Protection
- 09 - Physical and Chemical Properties
- 11 - Toxicological Information
- 13 - Disposal Information
- 14 - Transportation Information
- 15 - Regulatory Information

Statement(s) Changed

This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark;
 European Union Commission Regulation No. 1907/2006 on REACH as amended within Commission Regulation (EU) 2015/830;
 European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) and subsequent technical progress adaptations (ATP);
 EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes".

Acronym & Abbreviation Key:

| | |
|--------|---|
| CLP | Classification, Labeling & Packaging Regulation |
| EC | European Commission |
| EU | European Union |
| US | United States |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Chemical Substances |
| REACH | Registration, Evaluation, Authorization of Chemicals Regulation |

| | |
|--------|---|
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL | Long term exposure limit |
| STEL | Short term exposure limit |
| OEL | Occupational exposure limit |
| ppm | Parts per million |
| mg/m3 | Milligrams per cubic meter |
| TLV | Threshold Limit Value |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| OSHA | Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limits |
| VOC | Volatile organic compounds |
| g/l | Grams per liter |
| mg/kg | Milligrams per kilogram |
| N/A | Not applicable |
| LD50 | Lethal dose at 50% |
| LC50 | Lethal concentration at 50% |
| EC50 | Half maximal effective concentration |
| IC50 | Half maximal inhibitory concentration |
| PBT | Persistent bioaccumulative toxic chemical |
| vPvB | Very persistent and very bioaccumulative |
| EEC | European Economic Community |
| ADR | International Transport of Dangerous Goods by Road |
| RID | International Transport of Dangerous Goods by Rail |
| UN | United Nations |
| IMDG | International Maritime Dangerous Goods Code |
| IATA | International Air Transport Association |
| MARPOL | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 |
| IBC | International Bulk Container |
| RTI | Respiratory Tract Irritation |
| NE | Narcotic Effects |

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.