



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/7

Customcote (R) concentrate [NA]

Revision 6
Revision date 2020-01-03

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|--------------|---------------------------------|
| Product name | Customcote (R) concentrate [NA] |
|--------------|---------------------------------|

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

| | |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; |
| Description | Foundry material. |

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------------------------|--|
| Company | Ransom & Randolph |
| Address | 3535 Briarfield Boulevard, PO Box 1570 Maumee, Ohio 43537 USA |
| Web | www.ransom-randolph.com |
| Telephone | +1 (419) 865-9497 |
| Fax | +1 (419) 865-9997 |
| Email | RR.SDS@dentsply.com |
| Email address of the competent person | RR.SDS@dentsply.com |

1.4. Emergency telephone number


| | |
|----------------------------|--|
| Emergency telephone number | USA +1 419 865 9497 |
| Company | Ransom & Randolph Co. 08:00-17:00 (US Eastern Std. / GMT minus 5) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|---------------------|
| 2.1.2. Classification - EC 1272/2008 | Skin Sens. 1: H317; |
|--------------------------------------|---------------------|

2.2. Label elements

| | |
|-------------------------------------|---|
| Hazard pictograms | This substance / mixture has been classified in accordance with the US Federal OSHA Hazard Communication Standard 29CFR 1910.1200. Substance concentration band-ranges are presented, and minor ingredient composition maybe withheld, to protect trade secrets.  |
| Signal Word | Warning |
| Hazard Statement | Skin Sens. 1: H317 - May cause an allergic skin reaction. |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P302+P352 - IF ON SKIN: Wash with plenty of water/ . P321 - Specific treatment (see on this label). |

Customcote (R) concentrate [NA]

Revision 6
Revision date 2020-01-03

2.2. Label elements

| | |
|--|--|
| Precautionary Statement: Disposal | P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. |
| | P501 - Dispose of contents/container to local and national regulations |

Further information

| | |
|--|--|
| | Not applicable. PBT and vPvB assessment. |
|--|--|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|---|--------------|------------|-----------|---------------------------|--------------|---|
| 2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol | 613-114-00-6 | 4719-04-4 | 225-208-0 | | 0 - 0.5% | Acute Tox. 4: H302; Skin Sens. 1: H317; |
| Alcohol ethoxylate C9- C11 | | 68439-46-3 | | | 1 - 10% | Eye Irrit. 2: H319; |
| proprietary blend of fragrances | | | | | 0 - 0.5% | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Muta. 2: H341; Carc. 2: H351; Repr. 2: H361; |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required. |
| Skin contact | Remove all contaminated clothes and footwear immediately unless stuck to skin. Rinse immediately with plenty of water. |
| Ingestion | Drink 1 to 2 glasses of water. If swallowed, rinse mouth with water (only if the person is conscious). Get immediate medical advice/attention. |

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

| | |
|---------------------|---|
| Inhalation | Irritating to respiratory system. |
| Eye contact | Causes serious eye damage. |
| Skin contact | May cause sensitisation by skin contact. |
| Ingestion | May cause irritation to mucous membranes. Harmful if swallowed. |

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

| | |
|---------------------|---|
| Inhalation | Seek medical attention if irritation or symptoms persist. |
| Eye contact | Get immediate medical advice/attention. |
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| Ingestion | Immediately call a POISON CENTER/doctor/ . |

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|---|
| | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|--|
| | Self-contained breathing apparatus. Wear suitable protective clothing. |
|--|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Customcote (R) concentrate [NA]

Revision 6
Revision date 2020-01-03

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled container.

6.4. Reference to other sections

See section [2, 8 & 13] for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Do NOT allow to freeze. Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

7.3. Specific end use(s)

Foundry material.

SECTION 8: Exposure controls/personal protection

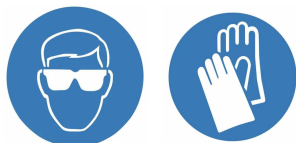
8.1. Control parameters

Ensure adequate ventilation of the working area.

8.1.1. Exposure Limit Values

| | | |
|-------------------------------|--|--|
| Ethanolamine (2-Aminoethanol) | WEL 8-hr limit ppm: 1 | WEL 8-hr limit mg/m3: 2.5 |
| | WEL 15 min limit ppm: 3 | WEL 15 min limit mg/m3: 7.6 |
| | WEL 8-hr limit mg/m3 total - inhalable dust: | WEL 15 min limit mg/m3 total - inhalable dust: |
| | WEL 8-hr limit mg/m3 total - respirable dust: | WEL 15 min limit mg/m3 total - respirable dust: |

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Apron (Plastic or rubber).

Eye / face protection

Approved safety goggles.

Skin protection - Handprotection

Wear suitable gloves.

Respiratory protection

Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Customcote (R) concentrate [NA]

Revision 6
Revision date 2020-01-03

9.1. Information on basic physical and chemical properties

| | |
|----------------------------------|--|
| Appearance | Liquid |
| Colour | Cream |
| Odour | Characteristic |
| Odour threshold | No data available |
| pH | 8 - 9 |
| Melting point | Not applicable. |
| Freezing Point | ≈ 0 °C |
| Initial boiling point | ≈ 100 °C |
| Flash point | Not applicable. |
| Evaporation rate | Not applicable. |
| Flammability (solid, gas) | Not applicable. |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | 1 - 1.2 (H ₂ O = 1 @ 20 °C) |
| Fat Solubility | Not applicable. |
| Miscible in | water |
| Partition coefficient | No data available |
| Autoignition temperature | Not applicable. |
| Viscosity | No data available |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |
| Solubility | Miscible in water |

9.2. Other information

| | |
|---|-------------------|
| Conductivity | No data available |
| Surface tension | No data available |
| Gas group | Not applicable. |
| Benzene Content | Not applicable. |
| Lead content | Not applicable. |
| VOC (Volatile organic compounds) | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|------------------------|
| | No Significant Hazard. |
|--|------------------------|

10.4. Conditions to avoid

| | |
|--|--|
| | Direct sunlight. Do NOT allow to freeze. |
|--|--|

10.5. Incompatible materials

| | |
|--|------------------|
| | Sodium chloride. |
|--|------------------|

10.6. Hazardous decomposition products

| | |
|--|-------|
| | None. |
|--|-------|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|---------------------------------------|
| Acute toxicity | No data is available on this product. |
|-----------------------|---------------------------------------|

Customcote (R) concentrate [NA]

Revision 6
Revision date 2020-01-03

11.1. Information on toxicological effects

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | Irritating to skin. |
| Serious eye damage/irritation | Causes serious eye damage. |
| Respiratory or skin sensitisation | May cause sensitisation by skin contact. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Reproductive toxicity | Based on available data, the classification criteria are not met. |
| STOT-single exposure | Based on available data, the classification criteria are not met. |
| STOT-repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Repeated or prolonged exposure | Irritating to respiratory system and skin. Causes serious eye damage. |

11.1.4. Toxicological Information

| | |
|---------------------------------|-----------------------------|
| Customcote (R) concentrate [NA] | Oral Rat LD50: > 2000 mg/kg |
|---------------------------------|-----------------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|---------------------------------|----------------------------|------------------------------|
| Customcote (R) concentrate [NA] | Algae EC50/72h: > 100 mg/L | Daphnia LC50/48h: > 100 mg/L |
| | Guppy LC50/96h: > 100mg/L | |

12.2. Persistence and degradability

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.3. Bioaccumulative potential

| | |
|--|-------------------------|
| | Does not bioaccumulate. |
|--|-------------------------|

Partition coefficient

| | | |
|--|---------------------------------|-------------------|
| | Customcote (R) concentrate [NA] | No data available |
|--|---------------------------------|-------------------|

12.4. Mobility in soil

| | |
|--|-----------------|
| | Not determined. |
|--|-----------------|

12.5. Results of PBT and vPvB assessment

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

12.6. Other adverse effects

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| | Dispose of in compliance with all. local and national regulations. |
|--|--|

Disposal methods

| | |
|--|--|
| | Contact a licensed waste disposal company. |
|--|--|

Disposal of packaging

| | |
|--|--|
| | Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling. |
|--|--|

Further information

| | |
|--|--|
| | For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. |
|--|--|

Customcote (R) concentrate [NA]

Revision 6
Revision date 2020-01-03

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

| | |
|--------------------|--|
| Regulations | <p>U.S. FEDERAL REGULATIONS: Customcote concentrate. CERCLA 103 Reportable Quantity: This product contains the following CERCLA toxic chemicals subject to reporting requirements. Ammonia, aqua. (1336-21-6 < 0.1%). Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.</p> <p>SARA TITLE III: Hazard Category For Section 311/312: acute health</p> <p>Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None</p> <p>Section 302 Extremely Hazardous Substances (TPQ): None</p> <p>EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.</p> <p>U.S. STATE REGULATIONS California Proposition 65: This product contains the following substances known to the State of California to cause cancer: none.</p> <p>INTERNATIONAL REGULATIONS: Canadian WHMIS Classification: Not a controlled product.</p> <p>Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).</p> |
|--------------------|--|

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

| | |
|-----------------|--|
| Revision | <p>This document differs from the previous version in the following areas:.</p> <p>2 - 2.1. Classification of the substance or mixture.</p> <p>2 - 2.1.2. Classification - EC 1272/2008.</p> |
|-----------------|--|

Customcote (R) concentrate [NA]

Revision 6

Revision date 2020-01-03

Other information

| | |
|---|---|
| Text of Hazard Statements in Section 3 | <p>2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Response. 3 - Further information. 12 - 12.1. Toxicity. 15 - Hazard Statement.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation. Muta. 2: H341 - Suspected of causing genetic defects . Carc. 2: H351 - Suspected of causing cancer . Repr. 2: H361 - Suspected of damaging fertility or the unborn child .</p> |
|---|---|

Further information

| | |
|--|---|
| | <p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p> |
|--|---|