



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Matrixcote Prime concentrate NA use

Revision 1
Revision date 2017-11-29

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

1.1. Product identifier

Product name	Matrixcote Prime concentrate NA use
Product code	Matrixcote Prime concentrate 112917 R404

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. 07:30 to 16:30 (Eastern Std. / GMT minus 5)

SECTION 2: Hazards identification

2.2. Label elements

Hazard Statement	<p>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.</p> <p>While this material is not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and made available for employees and other other users of this product.</p> <p>No Significant Hazard</p>
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Further information

Based on available data, the classification criteria are not met. PBT and vPvB assessment.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Alcohol ethoxylate C9- C11		68439-46-3			1 - 10%	Eye Irrit. 2: H319;
Octamethylcyclotetrasiloxane	014-018-00-1	556-67-2	209-136-7		0 - 0.5%	Repr. 2: H361f; Aquatic Chronic 4: H413;

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.
Skin contact	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	May cause irritation to eyes.
Skin contact	May cause sensitisation by skin contact.
Ingestion	May cause irritation to mucous membranes.

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.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear suitable protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled container.
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6.4. Reference to other sections

	See section [2, 8 & 13] for further information.
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	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wash hands after handling the product.
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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.
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7.3. Specific end use(s)

	Foundry material.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

	Ensure adequate ventilation of the working area.
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8.2. Exposure controls**8.2.1. Appropriate engineering controls**

	Ensure adequate ventilation of the working area.
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8.2.2. Individual protection measures

	Apron (Plastic or rubber).
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Eye / face protection

	Approved safety goggles.
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Skin protection - Handprotection

	Wear suitable gloves.
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Respiratory protection

	Suitable respiratory equipment.
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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Off white
Odour	Slight
pH	9
Miscible in	water
Relative density	0.9 - 1 (H ₂ O = 1 @ 20 °C)
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient	No data available
Viscosity	No data available
Evaporation rate	No data available
Freezing Point	≈ 0 °C
Initial boiling point	Not applicable.
Flammability (solid, gas)	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Melting point	Not applicable.
Fat Solubility	Not applicable.
Autoignition temperature	Not applicable.
Solubility	Soluble 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.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No Significant Hazard.
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10.4. Conditions to avoid

	Direct sunlight. Do NOT allow to freeze.
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10.5. Incompatible materials

	Sodium chloride.
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10.6. Hazardous decomposition products

	None.
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SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
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	May cause irritation to skin, eyes and mucous membranes.

11.1.4. Toxicological Information

Matrixcote Prime concentrate NA use	Oral Rat LD50: >2000 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Matrixcote Prime concentrate NA use	Daphnia EC50/48h: 100.000 mg/l	Fish LC50/96h: 100.000 mg/l
	Algae EC50/72h: >100	

12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	Does not bioaccumulate.
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Partition coefficient

	Matrixcote Prime concentrate NA use	No data available
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12.4. Mobility in soil

	Not determined.
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12.5. Results of PBT and vPvB assessment

	Not applicable.
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12.6. Other adverse effects

	Not applicable.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all. local and national regulations.
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Disposal methods

	Contact a licensed waste disposal company.
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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.

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

U.S. FEDERAL REGULATIONS: Matrixcote Prime concentrate.
 CERCLA 103 Reportable Quantity: This product may be subject to CERCLA toxic chemical reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations. --- trace quantities of formaldehyde 50-00-0, Ammonium hydroxide 1336-21-6,

SARA TITLE III:
 Hazard Category For Section 311/312: not classified

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

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

U.S. STATE REGULATIONS

California Proposition 65: This product contains the following substances known to the State of California to cause cancer: Ethylene oxide (75-21-8). In-use investment casting binder form of

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

product may form respirable crystalline silica cristobalite (14464-46-1) from amorphous silica.

INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: Not a controlled product.

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:.

2 - 2.1. Classification of the substance or mixture.

2 - 2.1.2. Classification - EC 1272/2008.

2 - 2.2. Label elements.

2 - Hazard pictograms.

2 - Signal Word.

2 - Precautionary Statement: Prevention.

2 - Precautionary Statement: Response.

2 - Precautionary Statement: Disposal.

3 - Further information.

4 - Skin contact.

4 - Eye contact.

4 - Eye contact.

4 - Ingestion.

11 - Skin corrosion/irritation.

11 - Respiratory or skin sensitisation.

11 - Repeated or prolonged exposure.

11 - Serious eye damage/irritation.

12 - 12.1. Toxicity.

15 - Labelling.

15 - Hazard Statement.

15 - Safety phrases.

Text of Hazard Statements in Section 3

Eye Irrit. 2: H319 - Causes serious eye irritation.

Repr. 2: H361f - Suspected of damaging fertility.

Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.

Further information

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.