



# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/6

## Keycote (R) Wetting Agent

Revision 6  
Revision date 2019-07-10

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

#### 1.1. Product identifier

**Product name** Keycote (R) Wetting Agent

#### 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 Irrit. 2: H315; Eye Dam. 1: H318;

#### 2.2. Label elements

**Hazard pictograms** 

**Signal Word** Danger

**Hazard Statement** Skin Irrit. 2: H315 - Causes skin irritation.  
Eye Dam. 1: H318 - Causes serious eye damage.

**Precautionary Statement: Prevention** P264 - Wash (hands) thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement: Response** P302+P352 - IF ON SKIN: Wash with plenty of water/ .  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER/doctor/ .  
P321 - Specific treatment (see on this label).

# Keycote (R) Wetting Agent

Revision 6  
Revision date 2019-07-10

## 2.2. Label elements

<b>Precautionary Statement: Disposal</b>	P332+P313 - If skin irritation 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
Docusate sodium		577-11-7	209-406-4			Skin Irrit. 2: H315; Eye Dam. 1: H318;
Ethoxylated, 2,4,7,9 – tetramethyl 5 decyn-4,7 - diol		9014-85-1				Eye Dam. 1: H318;

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.
<b>Skin contact</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Rinse immediately with plenty of water.
<b>Ingestion</b>	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

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

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

<b>Inhalation</b>	Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Get immediate medical advice/attention.
<b>Skin contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	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

	Wear suitable protective equipment.
--	-------------------------------------

### 6.2. Environmental precautions

	Do not allow product to enter drains.
--	---------------------------------------

# Keycote (R) Wetting Agent

Revision 6  
Revision date 2019-07-10

## 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.

### 8.2. 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

## Keycote (R) Wetting Agent

Revision 6  
Revision date 2019-07-10

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellow
<b>Vapour pressure</b>	9.55
<b>Vapour density</b>	No data available
<b>Relative density</b>	1.05
<b>Fat Solubility</b>	Not applicable.
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	Not applicable.
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	No data available
<b>Melting point</b>	Not applicable.
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	89 °C
<b>Flash point</b>	> 230 °C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	No data available
<b>Benzene Content</b>	Not applicable.
<b>Lead content</b>	Not applicable.
<b>VOC (Volatile organic compounds)</b>	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 data is available on this product.
--	---------------------------------------

## 10.4. Conditions to avoid

	Sodium oxides. calcium oxide. Oxidizing agents.
--	---

## 10.6. Hazardous decomposition products

	Carbon dioxide (CO <sub>2</sub> ). Hydrocarbons.
--	--

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data is available on this product.
<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	May cause sensitisation by skin contact.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.

# Keycote (R) Wetting Agent

Revision 6  
Revision date 2019-07-10

## 11.1. Information on toxicological effects

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

Keycote (R) Wetting Agent	Oral Rat LD50: > 2000 mg/kg
---------------------------	-----------------------------

## SECTION 12: Ecological information

### 12.1. Toxicity

Keycote (R) Wetting Agent	Algae EC50/72h: 76 mg/l
---------------------------	-------------------------

### 12.2. Persistence and degradability

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

### 12.3. Bioaccumulative potential

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

### Partition coefficient

	Keycote (R) Wetting Agent 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.
--	--

## 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)

# Keycote (R) Wetting Agent

Revision 6  
Revision date 2019-07-10

## 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

<b>Regulations</b>	<p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
--------------------	--

### 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

### Other information

<b>Revision</b>	This document differs from the previous version in the following areas: 2 - 2.2. Label elements. 15 - Regulations.
-----------------	--

<b>Text of Hazard Statements in Section 3</b>	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage.
---	--

### 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.