

# SAFETY DATA SHEET



Revision date: 22-Apr-2015

Version: 4.5

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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### Product Identifier

**Material Name:** Roccal D Plus

**Trade Name:** Roccal-D Plus  
**Chemical Family:** Mixture  
**Registration Number:** EPA No. 61282-55-1007

### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Intended Use:** Veterinary product used as disinfectant  
**Restrictions on Use:** Not for human use

### Details of the Supplier of the Safety Data Sheet

Zoetis Inc.  
100 Campus Drive, P.O. Box 651  
Florham Park, New Jersey 07932 (USA)  
Rocky Mountain Poison and Drug Center Phone: 1-866-531-8896  
Product Support/Technical Services Phone: 1-800-366-5288

Zoetis Belgium S.A.  
Mercuriusstraat 20  
1930 Zaventem  
Belgium

**Emergency telephone number:**  
**CHEMTREC (24 hours):** 1-800-424-9300  
**Contact E-Mail:** VMIPSrecords@zoetis.com

**Emergency telephone number:**  
**International CHEMTREC (24 hours):** +1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Appearance:** Green liquid

### Classification of the Substance or Mixture

#### GHS - Classification

Acute Oral Toxicity: Category 5  
Acute Toxicity - Vapors: Category 4  
Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Eye Irritation: Category 1  
Specific target organ systemic toxicity (repeated exposure): Category 1  
Acute aquatic toxicity: Category 1  
Chronic aquatic toxicity: Category 1  
Flammable liquids- Category 4

#### EU Classification:

EU Indication of danger: Corrosive  
Harmful  
Dangerous for the Environment

EU Symbol: C Xn N  
EU Risk Phrases:

R34 - Causes burns.  
R41 - Risk of serious damage to eyes.  
R20 - Harmful by inhalation.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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### 2. HAZARDS IDENTIFICATION

#### Label Elements

**Signal Word:** Danger  
**Hazard Statements:** H227 - Combustible liquid  
H303 - May be harmful if swallowed  
H332 - Harmful if inhaled  
H314 - Causes severe skin burns and eye damage  
H372 - Causes damage to organs through prolonged or repeated exposure ( endocrine system , blood , thymus )  
H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements:** P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P240 - Ground/Bond container and receiving equipment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P312 - Call a POISON CENTRE/doctor/physician if you feel unwell  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P363 - Wash contaminated clothing before reuse  
P310 - Immediately call a POISON CENTRE or doctor/physician  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P314 - Get medical attention/advice if you feel unwell  
P370 + P378 - In case of fire: Use water spray, dry chemical, foam, or CO2 for extinction  
P391 - Collect spillage  
P403 - Store in a well-ventilated place  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with all local and national regulations



#### Other Hazards

**Short Term:** May be harmful if absorbed through the skin. (based on components) .  
**Long Term:** Repeat-dose studies in animals have shown a potential to cause adverse effects on endocrine system (based on components) .  
**Australian Hazard Classification (NOHSC):** Hazardous Substance. Non-Dangerous Goods.

**Note:** This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous**

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Propylene glycol	57-55-6	200-338-0	Not Listed	Not Listed	<12
Quaternary ammonium compounds, benzylcoco alkyldimethyl, chlorides	61789-71-7	263-080-8	Not Listed	Not Listed	9.2
Didecyldimethylammonium chloride	7173-51-5	230-525-2	Xn; R22 C; R34	Acute Tox. 4 (H302) Skin Corr. 1B (H314)	9.2
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	270-325-2	Xn;R22 C;R34 N;R50	Acute Tox. 4 (H302) Skin corr 1B (H314) Acute Aq. 1 (H400) Chronic Aq. 1 (H410)	4.6
Tetrasodium EDTA	64-02-8	200-573-9	Xn; R22 Xi; R41	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	4
Citric acid	77-92-9	201-069-1	Xi; R36	Eye Irrit. 2A (H319)	<4
Sodium hydroxide	1310-73-2	215-185-5	C; R35	Skin Corr. 1A (H314)	<2
Tributyltin Oxide	56-35-9	200-268-0	Not Listed	Acute Tox. 3 (H301) STOT RE 1 (H372) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	1

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
9-10 Mole Nonionic Surfactant	Not assigned	Not Listed	Not Listed	Not Listed	*
Fragrance	NOT ASSIGNED	Not Listed	Not Listed	Not Listed	*
C.I. Acid Blue 25	6408-78-2	229-068-1	Not Listed	Not Listed	*
FD & C Yellow No. 5	1934-21-0	217-699-5	Not Listed	Not Listed	*

**Additional Information:**

\* Proprietary  
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

**For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16**

### 4. FIRST AID MEASURES

**Description of First Aid Measures**

**Eye Contact:**

Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

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- Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
- Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

### Most Important Symptoms and Effects, Both Acute and Delayed

- Symptoms and Effects of Exposure:** For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.
- Medical Conditions Aggravated by Exposure:** None known

### Indication of the Immediate Medical Attention and Special Treatment Needed

- Notes to Physician:** None

## 5. FIRE-FIGHTING MEASURES

- Extinguishing Media:** Extinguish fires with CO<sub>2</sub>, extinguishing powder, foam, or water.

### Special Hazards Arising from the Substance or Mixture

- Hazardous Combustion Products:** Formation of toxic gases is possible during heating or fire.

- Fire / Explosion Hazards:** Combustible liquid. May generate flammable vapors. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

### Advice for Fire-Fighters

In use, may form flammable/explosive vapour-air mixture. During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus. Dike and collect water used to fight fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

### Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

### Methods and Material for Containment and Cleaning Up

- Measures for Cleaning / Collecting:** Contain the source of the spill if it is safe to do so. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect wash with a noncombustible absorbent material and transfer to labeled container for treatment and disposal.

- Additional Consideration for Large Spills:** Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

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### 7. HANDLING AND STORAGE

#### Precautions for Safe Handling

Combustible liquid. Keep away from heat, sparks, flame and all other sources of ignition. Ground and bond all bulk transfer equipment. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Prevent environmental releases. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

#### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame, and other sources of ignition. Protect from direct heat and sunlight.

**Incompatible Materials:** Soaps, anionic materials, oxidizers, and chlorine

**Specific end use(s):** No data available

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters

Refer to available public information for specific member state Occupational Exposure Limits.

#### Propylene glycol

Australia TWA	150 ppm 474 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>
Ireland OEL - TWAs	150 ppm 470 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>
Latvia OEL - TWA	7 mg/m <sup>3</sup>
Lithuania OEL - TWA	7 mg/m <sup>3</sup>

#### Didecyldimethylammonium chloride

ACGIH Threshold Limit Value (TWA) 0.1 mg/m<sup>3</sup>

#### Sodium hydroxide

ACGIH Ceiling Threshold Limit:	2 mg/m <sup>3</sup>
Australia PEAK	2 mg/m <sup>3</sup>
Austria OEL - MAKs	2 mg/m <sup>3</sup>
Bulgaria OEL - TWA	2.0 mg/m <sup>3</sup>
Czech Republic OEL - TWA	1 mg/m <sup>3</sup>
Estonia OEL - TWA	1 mg/m <sup>3</sup>
France OEL - TWA	2 mg/m <sup>3</sup>
Greece OEL - TWA	2 mg/m <sup>3</sup>
Hungary OEL - TWA	2 mg/m <sup>3</sup>
Japan - OELs - Ceilings	2 mg/m <sup>3</sup>
Latvia OEL - TWA	0.5 mg/m <sup>3</sup>
OSHA - Final PELs - TWAs:	2 mg/m <sup>3</sup>
Poland OEL - TWA	0.5 mg/m <sup>3</sup>
Slovakia OEL - TWA	2 mg/m <sup>3</sup>
Slovenia OEL - TWA	2 mg/m <sup>3</sup>
Sweden OEL - TWAs	1 mg/m <sup>3</sup>
Switzerland OEL - TWAs	2 mg/m <sup>3</sup>

#### Tributyltin Oxide

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ACGIH Threshold Limit Value (TWA)	0.1 mg/m <sup>3</sup>
ACGIH Threshold Limit Value (STEL)	0.2 mg/m <sup>3</sup>
ACGIH - Skin Absorption Designation	Skin - potential significant contribution to overall exposure by the cutaneous route
Austria OEL - MAKs	0.002 ppm 0.05 mg/m <sup>3</sup>
Germany - TRGS 900 - TWAs	0.0021 ppm 0.05 mg/m <sup>3</sup>
Germany (DFG) - MAK	0.004 ppm 0.02 mg/m <sup>3</sup>
Slovenia OEL - TWA	0.0021 ppm 0.05 mg/m <sup>3</sup>

#### Exposure Controls

##### Engineering Controls:

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

##### Personal Protective Equipment:

Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

##### Hands:

Wear impervious, disposable gloves as minimum protection (double recommended).

##### Eyes:

Wear safety goggles as minimum protection (additionally, face shield recommended for open handling).

##### Skin:

Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.

##### Respiratory protection:

If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Color:	Green
Odor:	Floral	Odor Threshold:	No data available.
Molecular Formula:	Mixture	Molecular Weight:	Mixture

Solvent Solubility:	No data available
Water solubility:	100%
Water Solubility:	No data available
pH:	8-10
Melting/Freezing Point (°C):	No data available
Boiling Point (°C):	>100
Partition Coefficient: (Method, pH, Endpoint, Value)	No data available
Decomposition Temperature (°C):	No data available.

Evaporation Rate (Gram/s):	No data available
Vapor Pressure (kPa):	No data available
Vapor Density (g/ml):	No data available
Relative Density:	No data available
Specific Gravity:	1.015
Viscosity:	No data available

#### Flammability:

Autoignition Temperature (Solid) (°C):	No data available
Flammability (Solids):	No data available

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Flash Point (Liquid) (°C): 61 Closed cup  
Upper Explosive Limits (Liquid) (% by Vol.): No data available  
Lower Explosive Limits (Liquid) (% by Vol.): No data available  
Polymerization: Will not occur

### 10. STABILITY AND REACTIVITY

Reactivity: No data available  
Chemical Stability: Stable at normal conditions  
Possibility of Hazardous Reactions  
Oxidizing Properties: No data available  
Conditions to Avoid: Keep away from heat, spark, flames and all other sources of ignition. Fine particles (such as dusts, mists and vapors) may fuel fires/explosions.  
Incompatible Materials: Soaps, anionic materials, oxidizers, and chlorine  
Hazardous Decomposition Products: No data available

### 11. TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects

**General Information:** Toxicological properties of the formulation have not been investigated. The information in this section describes the potential hazards of the individual ingredients and the formulation.  
Routes of exposure: eye contact , skin contact , inhalation

#### Acute Toxicity: (Species, Route, End Point, Dose)

##### Alkyl Dimethyl Benzyl Ammonium Chloride

Rat Oral LD50 426 mg/kg  
Rat Sub-tenon injection (eye) LD50 100mg/kg  
Rat Dermal LD50 930mg/kg  
Rat Inhalation 0.054-0.51mg/L

##### Tributyltin Oxide

Rat Oral LD50 87 mg/kg  
Rat Dermal LD50 605mg/kg  
Rat Inhalation LC50 4h 0.065mg/L

##### Tetrasodium EDTA

Mouse Oral LD50 30 mg/kg  
Rat Oral LD50 > 2000mg/kg

##### Citric acid

Rat Oral LD50 3000 mg/kg

##### Propylene glycol

Rat Oral LD 50 22,000 mg/kg  
Mouse Oral LD 50 24,900mg/kg  
Rabbit Dermal LD 50 20,800mg/kg

##### Sodium hydroxide

Mouse IP LD50 40 mg/kg

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### 11. TOXICOLOGICAL INFORMATION

#### Didecyldimethylammonium chloride

Rat Oral LD 50 84 mg/kg

Rat Sub-tenon injection (eye) LD 50 45mg/kg

#### Acute Toxicity Comments:

A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

#### Inhalation Acute Toxicity

May be harmful if inhaled. May cause respiratory tract and mucous membrane irritation.

#### Ingestion Acute Toxicity

May be harmful if swallowed

#### Irritation / Sensitization: (Study Type, Species, Severity)

#### Alkyl Dimethyl Benzyl Ammonium Chloride

Skin Irritation Rabbit Corrosive

Skin Irritation Guinea Pig Negative

#### Quaternary ammonium compounds, benzylcoco alkyl dimethyl, chlorides

Skin Irritation Rabbit Corrosive

#### Tetrasodium EDTA

Skin Irritation Rabbit Moderate

Eye Irritation Rabbit Moderate

#### Citric acid

Eye Irritation Rabbit Severe

Skin Irritation Rabbit Mild

#### Propylene glycol

Skin Irritation Rabbit Mild

Eye Irritation Rabbit Mild

#### Sodium hydroxide

Eye Irritation Rabbit Severe

Skin Irritation Rabbit Severe

#### Didecyldimethylammonium chloride

Skin Irritation Rabbit Corrosive

**Irritation / Sensitization Comments:** May cause irreversible eye damage.

**Skin Irritation / Sensitization** May cause skin burns based on components.

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

#### Tributyltin Oxide

4 Week(s) Rat Oral 80 mg/kg/day LOAEL Endocrine system, Blood

4 Week(s) Rat Oral 50 mg/kg LOAEL Thymus

#### Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

#### Tributyltin Oxide

Embryo / Fetal Development Mouse Oral 11.7 - 35 mg/kg LOAEL Maternal toxicity, Teratogenic



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### 11. TOXICOLOGICAL INFORMATION

Embryo / Fetal Development Mouse Oral 40 mg/kg/day LOAEL Maternal Toxicity, Embryotoxicity

#### Didecyldimethylammonium chloride

Embryo / Fetal Development Rabbit Oral 10 mg/kg/day NOAEL Not teratogenic  
Embryo / Fetal Development Rabbit Oral 10 mg/kg/day LOAEL Fetotoxicity, Maternal Toxicity  
Embryo / Fetal Development Rat Oral 20 mg/kg/day NOAEL Not Teratogenic, Fetotoxicity  
2 Generation Reproductive Toxicity Rat Oral 1500 ppm NOAEL Reproductive toxicity

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

##### Alkyl Dimethyl Benzyl Ammonium Chloride

Bacterial Mutagenicity (Ames) *Salmonella* Negative  
*In Vitro* Chromosome Aberration Chinese Hamster Ovary (CHO) cells Positive  
*In Vivo* Micronucleus Mouse Bone Marrow Positive  
*In Vitro* Sister Chromatid Exchange Chinese Hamster Ovary (CHO) cells Negative

#### Carcinogenicity: (Duration, Species, Route, Dose, End Point, Effect(s))

##### Tributyltin Oxide

106 Week(s) Rat Oral 50 mg/kg/day LOAEL Benign tumors, Endocrine system

#### Carcinogen Status:

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

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### 12. ECOLOGICAL INFORMATION

**Environmental Overview:** Very toxic to aquatic life with long lasting effects. Releases to the environment should be avoided.

**Toxicity:**

**Aquatic Toxicity: (Species, Method, End Point, Duration, Result)**

#### Alkyl Dimethyl Benzyl Ammonium Chloride

<i>Pimephales promelas</i> (Fathead Minnow)	EPA	LC50	96 Hours	0.28 mg/L
<i>Lepomis macrochirus</i> (Bluegill Sunfish)	EPA	LC50	96 Hours	0.515 mg/L
<i>Oncorhynchus mykiss</i> (Rainbow Trout)	EPA	LC50	96 Hours	0.923 mg/L
<i>Cyprinodon variegatus</i> (Sheepshead Minnow)	LC50	96 Hours	0.86 mg/L	
<i>Daphnia magna</i> (Water Flea)	EPA	ErC50	48 Hours	0.0059 mg/L

#### Tributyltin Oxide

<i>Daphnia magna</i> (Water Flea)	EPA	EC50	48 Hours	0.004 mg/L
<i>Oncorhynchus mykiss</i> (Rainbow Trout)	ASTM	LC50	96 Hours	0.003 mg/L
<i>Cyprinodon variegatus</i> (Sheepshead Minnow)	EPA	LC50	96 Hours	0.005 mg/L

#### Alkyl Dimethyl Benzyl Ammonium Chloride

<i>Pimephales promelas</i> (Fathead Minnow)	EPA	34 Day(s)	NOEC	0.032 mg/L
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**Persistence and Degradability:** No data available

**Bio-accumulative Potential:** No data available

**Mobility in Soil:** No data available

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:** Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

### 14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 Liters or less for liquids or having a net mass per single or inner packaging of 5 kilograms or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375.

**UN number:** UN 3082

**UN proper shipping name:** Environmentally hazardous substances, liquid, n.o.s. (Tributyltin compounds), Marine Pollutant

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Transport hazard class(es): 9  
Packing group: III

### DOT

Bulk packages regulated as indicated above. Not regulated for transport in non-bulk (< 400 kg) packages unless shipped by vessel (water). In addition, as of January 2015, marine pollutants in non-bulk single or combination packages shipped by vessel in quantities less than or equal to 5 kg (for solids) or less than or equal to 5 L (for liquids) are not regulated in transport if the packaging requirements and other criteria of 49 CFR 171.4 are met.

U.S. DOT Reportable Quantity (RQ), 49 CFR 172.101 Appendix A:

### Sodium hydroxide

CERCLA/SARA Hazardous Substances 1000 lb  
and their Reportable Quantities: 454 kg

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

#### Canada - WHMIS: Classifications

##### WHMIS hazard class:

Class B, Division 3

Class E

Class D, Division 2, Subdivision B

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.



#### Propylene glycol

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-338-0

#### Quaternary ammonium compounds, benzylcoco alkyldimethyl, chlorides

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	263-080-8

#### Didecyldimethylammonium chloride

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed

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Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	230-525-2
<b>Alkyl Dimethyl Benzyl Ammonium Chloride</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	270-325-2
<b>Tetrasodium EDTA</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-573-9
<b>Citric acid</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	201-069-1
<b>Sodium hydroxide</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
CERCLA/SARA Hazardous Substances and their Reportable Quantities:	1000 lb 454 kg
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 5 Schedule 6
EU EINECS/ELINCS List	215-185-5
<b>Tributyltin Oxide</b>	
CERCLA/SARA 313 Emission reporting	1.0 %
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex XVII - Restrictions on Certain Dangerous Substances:	Use restricted. See item 20.
EU EINECS/ELINCS List	200-268-0
EU Export and Import Restrictions (EC No. 689/2008):	Banned as other pesticide including biocides Please refer to PIC circular at <a href="http://www.pic.int/">www.pic.int/</a>
<b>9-10 Mole Nonionic Surfactant</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

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#### Fragrance

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

#### C.I. Acid Blue 25

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	229-068-1

#### FD & C Yellow No. 5

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	217-699-5

### 16. OTHER INFORMATION

#### Text of R phrases and GHS Classification abbreviations mentioned in Section 3

H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H319 - Causes serious eye irritation  
H318 - Causes serious eye damage  
H301 - Toxic if swallowed  
H372 - Causes damage to organs through prolonged or repeated exposure  
H315 - Causes skin irritation  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

Xn - Harmful  
C - Corrosive  
N - Dangerous for the environment  
Xi - Irritant

R22 - Harmful if swallowed.  
R34 - Causes burns.  
R50 - Very toxic to aquatic organisms.  
R36 - Irritating to eyes.  
R35 - Causes severe burns.  
R48 - Danger of serious damage to health by prolonged exposure.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Data Sources:** The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

**Reasons for Revision:** Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking.  
Updated Section 5 - Fire Fighting Measures. Updated Section 11 - Toxicology Information.  
Updated Section 14 - Transport Information.

## SAFETY DATA SHEET

**Material Name: Roccal D Plus**  
**Revision date: 22-Apr-2015**

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Zoetis Global Risk Management

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**End of Safety Data Sheet**