

## 1. Product and Company Identification

www.rxmarine.com

Product Name Colour Run Remover for Coloureds  
Part Number RXSOL-15-2647-005

Company Details:....

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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### Substances

Formula Na<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
CAS-No. 7775-14-6  
EC-No. 231-890-0  
Index-No. 016-028-00-1

Component	Classification	Concentration
sodium dithionite		
CAS-No. 7775-14-6		>= 70 - < 90 %
EC-No 231-890-0	Self-heat. 1; Acute Tox. 4;	
Index-No. 016-028-00-1	Eye Irrit. 2; H251, H302,	
	H319	
Index-No. CAS-No.		
EC-No.		
Index-No.		
sodium carbonate		
CAS-No. 497-19-8	Eye Irrit. 2; H319	>= 1 - < 10 %
EC-No. 207-838-8		
Index-No. 011-005-00-2		
Hexamethylenetetramine		
CAS-No. 100-97-0	Flam. Sol. 2; Skin Sens.	>= 0,1 - < 1 %
EC-No. 202-905-8	1B; H228, H317	
Index-No. 612-101-00-2		

### 3. Hazards Identification

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Self-heating substances and mixtures (Category 1), H251

Acute toxicity, Oral (Category 4), H302

Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Label elements

Signal Word

Danger

Hazard Statements

H251 Self-heating; may catch fire.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary Statements

P235 Keep cool.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

Supplemental Hazard information (EU)

EUH031

Contact with acids liberates toxic gas.

EUH208

Contains: Hexamethylenetetramine. May produce an allergic reaction.

Reduced Labeling ( 50°C cause evolution of gas in closed containers. Overpressure produces a risk of bursting.Keep workplace dry. Do not allow product to come into contact with water.

#### Hygiene measures

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2.

#### Conditions for safe storage, including any incompatibilities

##### Storage conditions

Tightly closed. Keep away from heat and sources of ignition.

Do not store near acids.

Recommended storage temperature see product label.

##### Storage class

Storage class (TRGS 510): 4.2: Pyrophoric and self-heating hazardous materials

##### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### 8. Exposure controls and personal protection

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## Control parameters

### Ingredients with workplace control parameters

### Exposure controls

### Personal protective equipment

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

#### Skin protection

This recommendation applies only to the product stated in the safety data sheet,

supplied by us and for the designated use. When dissolving in or mixing with other

substances and under conditions deviating from those stated in EN 16523-1 please

contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell,

Internet: [www.kcl.de](http://www.kcl.de)).

Full contact

Material: Chloroprene

Minimum layer thickness: 0,65 mm

Break through time: 480 min

Material tested:KCL 720 Camapren®

This recommendation applies only to the product stated in the safety data sheet,

supplied by us and for the designated use. When dissolving in or mixing with other

substances and under conditions deviating from those stated in EN 16523-1 please

contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell,

Internet: [www.kcl.de](http://www.kcl.de)).

Splash contact

Material: Latex gloves

Minimum layer thickness: 0,6 mm

Break through time: 60 min

Material tested:Lapren® (KCL 706 / Aldrich Z677558, Size M).

Flame retardant antistatic protective clothing.

Recommended Filter type: Filter A-(P3)

#### Body Protection

#### Respiratory protection

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory

protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Do not let product enter drains.

## Control of environmental exposure

## 9. Physical and chemical properties

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Physical state	Powder
Colour	White
Odor	Stinging
Melting point/freezing point	Melting point: ca.100 °C - (decomposition)
Initial boiling point and boiling range	Not applicable
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	> 100 °C - DIN 51758
Autoignition temperature	Self-heating; may catch fire.
Decomposition temperature	> 80 °C
pH	5,5 - 8,5 at 50 g/l at 20 °C
	materials.Extremely flammable in the presence of the following materials or conditions: oxidizing
	materials.
Viscosity	Viscosity, kinematic: No data available
	Viscosity, dynamic: No data available
Water solubility	ca.250 g/l at 20 °C - (slow decomposition)
Partition coefficient: n-octanol/water	log Pow: 1,94 - Bioaccumulation is not expected.
Vapor pressure	0,147 hPa at 25 °C
Density	1,034 g/mL at 25 °C - lit.
Relative density	1,03 at 20 °C
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	None
Other safety information	
Bulk density	ca.1.250 kg/m3

## 10. Stability and reactivity

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Reactivity	Forms explosive mixtures with air on intense heating.
	Self-heating; may catch fire.
	A range from approx. 15 Kelvin below the flash point is to be rated as critical.
	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed. Contact with acids liberates toxic gas.
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Violent reactions possible with:

Oxidizing agents

Bases

Reducing agents

No information available

No data available

In the event of fire: see section 5

**Conditions to avoid**

**Incompatible materials**

**Hazardous decomposition products**

## 11. Toxicological information

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### Information on toxicological effects

**Acute toxicity**

LD50 Oral - Rat - 2.500 mg/kg

Oral: No data available

Inhalation: No data available

Dermal: No data available

No data available

No data available

Sensitisation test: - Mouse (sodium dithionite)

Result: negative

(OECD Test Guideline 429)

Test Type: Ames test

Result: negative

Remarks: (External MSDS)

Test Type: Ames test

(sodium dithionite)

Test system: S. typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

No data available

No data available

No data available

No data available

No data available

Not available.

Not available.

Carcinogenicity

**Reproductive toxicity**

**Teratogenicity**

**Specific target organ toxicity (single exposure)**

**Specific target organ toxicity (repeated exposure)**

**Aspiration hazard**

**Information on the likely routes of exposure**

## 12. Ecological information

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Persistence and degradability

No data available

Toxicity to fish

Static test LC50 - Oncorhynchus mykiss (rainbow trout) - 75 mg/l - 96 h  
(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 - Daphnia magna (Water flea) - 42,81 mg/l - 48 h

Toxicity	(OECD Test Guideline 202) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 1.520 mg/l - 96 h
Toxicity to bacteria	EC10 - Bacteria - 14 mg/l - 72 h Remarks: (Lit.) EC5 - E.coli - 15.000 mg/l Remarks: (Lit.) (maximum permissible toxic concentration)
Toxicity to algae	Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 74,35 mg/l - 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid
Products Biodegradation	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	No data available
Other adverse effects	No data available .

### 13. Disposal considerations

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Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	See <a href="http://www.retrologistik.com">www.retrologistik.com</a> for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

### 14. Transport information

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UN number	ADR/RID:1384 IMDG:1384 IATA: 1384
UN proper shipping name	ADR/RID: SODIUM DITHIONITE
Transport hazard class(es)	IMDG: SODIUM DITHIONITE
Packaging group	IATA: Sodium dithionite
Environmental hazards	ADR/RID: 4.2 IMDG: 4.2 IATA:4.2
Special precautions for user	ADR/RID: II IMDG: II IATA:II
Further information	ADR/RID: No IMDG: No IATA: No
	No data available
	Not classified as dangerous in the meaning of transport regulations.

### 15. Regulatory information

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<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
<b>Other regulations</b>	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.
<b>Chemical Safety Assessment</b>	For this product a chemical safety assessment was not carried out

## Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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