

HARTNOLL Ltd

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HEALTH AND SAFETY DATA SHEET

RATIONAL RINSE CARE TABLETS

Emergency Telephone Number: +49 (0)89 19240 24 hours

HAZARDS IDENTIFICATION

Classification under CHIP: Xi: R36/38

Classification under CLP: *Eye irrit. 2: H319, Skin irrit. 2: H315

Most important adverse effects: Irritating to eyes and skin

Hazard Statements: * Label elements under CLP

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Signal words: Warning



Hazard pictograms: GHS07. Exclamation mark

Precautionary statements: P102: Keep out of reach of children.

P101: If medical advice is needed, have product container or label at hand.

P280: Wear protective gloves.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical advice/attention.

Labels elements under CHIP:



Hazard symbols: Irritant

Risk Phrases: R36/38: Irritating to eyes and skin

Safety phrases: S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24/25: Avoid contact with skin and eyes.

S28: After contact with skin, wash immediately with plenty of water.

S46: If swallowed, seek medical advice immediately and show this container or label.

Other hazards **PBT** This substance is not identified as a PBT substance

COMPOSITION/INFORMATION ON INGREDIENTS

	EINECS	CAS	CHIP Classification	CLP Classification	Percent
Citric Acid	201-069-1	77-92-9	Xi: R36	Eye irrit. 2: H319	>20%
Malic Acid	210-514-9	617-48-1	Xi: R36/38	Eye irrit. 2: H319; Skin irrit. 2: H315	>20%
Adipic Acid	204-673-3	124-04-9	Xi: R36	Eye irrit. 2: H319	1-5%

FIRST AID MEASURES

Description of first aid measures

Skin contact Wash immediately with plenty of soap and water.

Eye contact Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Most important symptoms and effects, both acute and delayed

Skin contact There may be irritation and redness at the site of contact.

Eye Contact There may be irritation and pain. The eyes may water profusely. The vision may become blurred

Ingestion There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Delayed/immediate effects Immediate effects can be expected after short-term exposure.

FIRE FIGHTING MEASURES

Extinguishing media Suitable extinguishing media for the surrounding fire should be used.

ACCIDENTAL RELEASE MEASURES

Personal precautions : Refer to section Exposure controls of SDS for personal protection details.

Clean-up procedure Wash the spillage site with large amounts of water. Refer to Disposal Considerations of SDS for suitable method of disposal.

HANDLING AND STORAGE

Handling requirements Avoid direct contact with the substance.

Storage Conditions Store in cool, well ventilated area. Avoid contact with water or humidity.

Suitable packaging Must only be kept in original packaging.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace exposure limits Not Applicable

Respiratory protection Respiratory protection not required.

Hand protection Protective gloves.

Eye protection Safety glasses

Environmental: No special requirement

PHYSICAL AND CHEMICAL PROPERTIES

State: Solid

Colour: White

Odour: Characteristic odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Relative density: 800 g/l

pH: 2.5 (1%ig)

STABILITY AND REACTIVITY

Reactivity: Stable under recommended transport or storage conditions.

Chemical stability: Stable under normal conditions.

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

Conditions to avoid: Humidity.

Materials to avoid: Not applicable.

Haz. decomp. products: Not applicable.

TOXICOLOGICAL INFORMATION

Route	Species	Test	Value	Units
Malic Acid; ORL	RAT	LD50	>3200	Mg/kg
Citric acid; ORL	RAT	LD50	6730	Mg/kg
Adipic acid; ORL	RAT	LD50	11000	Mg/kg

Skin contact There may be irritation and redness at the site of contact.

Eye Contact There may be irritation and pain. The eyes may water profusely. The vision may become blurred.

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Ingestion There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Delayed/immediate effects Immediate effects can be expected after short-term exposure.

ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity values

Species	Test	Value	Units
Citric Acid: Leuciscus idus	96H LC50	440-706	Mg/l
Daphnia magna	EC50	85	Mg/l
Adipic acid: Pimephales promelas	96H LC50	97	Mg/l

Persistence and degradability: Biodegradable.

Bio accumulative potential: No data available.

Mobility: Soluble in water.

PBT identification: This substance is not identified as a PBT substance.

DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Transport class: This product does not require a classification for transport.

REGULATORY INFORMATION

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

OTHER INFORMATION

Other information This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006. * indicates text in the SDS which has changed since the last revision. Data references: Safety data sheets from our raw material suppliers.

Phrases used in Sections Hazards Identification and Composition of

Ingredients:
H315: Causes skin irritation.
H319: Causes serious eye irritation.
R36/38: Irritating to eyes and skin.
R36: Irritating to eyes

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Date: 15th March 2013 Revision 4

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