

**Safety Data Sheet**

according to WHMIS

RATIONAL RINSE TABLETS

Print date: 01/01/2017

Page 1 of 6

SECTION 1: Identification of the substance/mixture and of the company/undertaking56.00.211 **Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Rinse aid

Details of the supplier of the safety data sheet

Company Name Trust Hygiene Services Ltd, Principle House, Leamore Lane,
Bloxwich, Walsall, WS2 7PS

Telephone: Tel No: 0370 3500 966 Fax No: 0370 3500 755

Responsible Department: Responsible for the safety data sheet: reinigung@rational-online.de

Emergency telephone:

Mon-Fri Office 9am-5pm - 0370 3500 988
111 NHS - Out of Office Hours

SECTION 2: Hazards identification**Classification of the substance or mixture**

Indications of danger: Xi - Irritant

R phrases:

Irritating to eyes.

Other hazards

Not known.

SECTION 3: Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
7757-82-6	Sodium sulfate	45 - 50 %
77-92-9	Citric acid	< 45 %
25322-68-3	Poly (ethylene glycol)	5 - 10 %
	Fatty alcohol alcoxylate	< 5 %
7631-86-9	Silicon oxide	1 - 5 %

SECTION 4: First aid measures**Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

After contact with skin

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Safety Data Sheet

according to WHMIS

Page 2 of 6

Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Summon a doctor immediately.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

Extinguishing media which must not be used for safety reasons

Full water jet

Special hazards arising from the substance or mixture

Fire may produce:
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

Advice for firefighters

Use breathing apparatus with independent air supply.
Protective suit

Additional information

Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.
Avoid dust formation.
Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.
Flush away residues with water.

Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal look up chapter 13.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

Avoid the formation of dust.
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
Do not breathe dust.
Avoid contact with eyes, skin or mucous membrane.

Advice on protection against fire and explosion

No special protective measures against fire required.

Safety Data Sheet

according to WHMIS

Page 3 of 6

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

- Keep in the original sealed container.
- Keep containers tightly closed in a dry, well-ventilated place.

Further information on storage conditions

- Keep away from food, drink and animal feeding stuffs.

Specific end use(s)

- Rinse aid

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Occupational exposure controls

- Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Protective and hygiene measures

- Avoid the formation of dust. Eviter d'inhaler la poussière.
- Avoid contact with eyes and skin.
- Wash hands before breaks and immediately after handling the product.
- When using, do not eat, drink or smoke.
- Remove and wash contaminated clothing before re-use.

Respiratory protection

- No personal respiratory protective equipment normally required.
- Breathing apparatus (particle filter) only if dust is formed.

Hand protection

- Protective gloves resistant to chemicals made off natural-rubber latex, Minimum coat thickness 0.6 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de.
- This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.
- Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

- Tightly fitting goggles
- Eye wash bottle with pure water.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Solid
Colour:	White
Odour:	Characteristic

pH-Value:	n. d.
-----------	-------

Changes in the physical state

	Test method
Flash point:	n.a.
Lower explosion limits:	n.a.
Upper explosion limits:	n.a.
Ignition temperature:	n.a.

Safety Data Sheet

according to WHMIS

Page 4 of 6

Water solubility:
(at 20 °C)

Soluble

Other information

Bulk density: approx. 950 g/L

SECTION 10: Stability and reactivity

Conditions to avoid

Protect from moisture.

Incompatible materials

No materials to be especially mentioned.

Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Citric acid
LD50/oral/rat: 6730 mg/kg
Fatty alcohol alcoxylate
LD50/oral/rat: > 2000 mg/kg

Irritation and corrosivity

Skin irritation: Not classified.
Eye irritation: Irritant

Sensitizing effects

Not classified.

Severe effects after repeated or prolonged exposure

STOT - Single exposure: Not classified.
STOT - Repeated exposure: Not classified.
Aspiration hazard: Not classified.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: Not classified.
Mutagenicity: Not classified.
Teratogenicity: Not classified.

Empirical data on effects on humans

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
May cause skin irritation with susceptible persons.

SECTION 12: Ecological information

Toxicity

Citric acid
LC50/Leuciscus idus/96 h = 440 - 706 mg/l
Fatty alcohol alcoxylate
LC50/Leuciscus idus/96 h = 1 - 10 mg/l
EC50/Daphnia magna/100 h = 85 mg/l

Persistence and degradability

Product is biodegradable.

Bioaccumulative potential

No data available.

Safety Data Sheet

according to WHMIS

Page 5 of 6

Other adverse effects

No data available.

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Remove in accordance with local official regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information**Canadian TDG****Proper shipping name**

Not regulated.

Other applicable information

Non hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information**Canadian regulations**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

DSL/NDSL inventory status

All of the components are listed on the DSL Inventory.

WHMIS classification

WHMIS: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

**Chemical Safety Assessment**

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Further Information**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

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.

Rational AG

Safety Data Sheet

according to WHMIS

Page 6 of 6

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)