

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Neodisher Z**  
 Item Code:  
 Product Use: Washing and cleaning products (including solvent based products)  
 Restriction of Use: Refer to Section 15  
 New Zealand Supplier: **CRK NZ Ltd**  
 Address: **3 Hotunui Drive  
Mt. Wellington  
Auckland**  
 Telephone: +64 9 276 3271  
 Fax Number: +64 9 276 9645  
 Emergency Telephone: **0800 764 766 (National Poison Centre)**  
 Date of SDS Preparation: 17 May 2017

### Section 2. Hazards Identification

**This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001***

**EPA Approval No: Cleaning Products (subsidiary) – HSR002530**

#### Pictograms



Corrosive



Respiratory

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.3B	H316	Causes mild skin irritation.	Category 3
6.1E(Respiratory tract irritant)	H335	May cause respiratory irritation.	Category 3
8.3A	H318	Causes serious eye damage.	Category 1

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing fumes, gas, mist, vapours or spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

Storage Code	Storage Statement
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Citric Acid, Anhydrous	≥25 - <50%	77-92-9

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non flammable
<b>Hazards from combustion products</b>	Do not inhale explosion and/or combustion gases. In case of combustion evolution of dangerous gases possible.
<b>Suitable Extinguishing media</b>	Adapt fire extinguishing measures to surrounding areas. Do not use full water jet.
<b>Precautions for firefighters and special protective clothing</b>	In case of combustion use a suitable breathing apparatus. Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.
<b>HAZCHEM CODE</b>	<b>Non Allocated</b>

## Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Absorb spill with inert material. Spill area should be flushed with water to sewer (avoid high pressure rinsing). Do not use cleaning methods that generate aerosol. Pick up with absorbent material. Dispose of according to Local Regulations.

## Section 7. Handling and Storage

### Precautions for Handling:

- Keep out of reach of children.
- Read label before use.
- Avoid breathing fumes, gas, mist, vapours or spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing.
- Avoid formation of aerosols.
- Keep container tightly closed.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up
- Keep in original packaging, tightly closed.
- Storage rooms must be properly ventilated.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

### Engineering Controls

Ensure adequate ventilation is available.

### Personal Protection

<b>Eyes</b>	Wear safety glasses with side shields. Avoid contact lenses.
<b>Hands and Skin</b>	Wear protective gloves, i.e neoprene, butyl rubber or nitrile. Clothing as usual in the chemical industry.
<b>Respiratory</b>	Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Colourless to yellowish liquid
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH – Value</b>	Approx. 1,2
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available

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Issued by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240      www.techcomp.co.nz

<b>Flash Point</b>	Not available
<b>Flammability</b>	Not applicable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Density</b>	1.17 g/cm <sup>3</sup>
<b>Relative Density</b>	Not available
<b>Solubilities</b>	Not available
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not applicable

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Reactions with alkalies.
<b>Hazardous Decomposition Products</b>	Irritant gases/vapours.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Eye</b>	Causes serious eye damage.
<b>Skin</b>	Causes mild skin irritation.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

### Fish toxicity (Components)

#### citric acid, anhydrous

Species	golden orfe ( <i>Leuciscus idus</i> )	
LC50	440 to 706	mg/l
Duration of exposure	96 h	

### Daphnia toxicity (Components)

#### citric acid, anhydrous

Species	Daphnia magna	
EC50	120	mg/l
Duration of exposure	72 h	

<b>Persistence and degradability</b>	Citric Acid is biodegradable.
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

### Section 13. Disposal Considerations

**Disposal Method:** Triple rinse and dispose of according to Local Regulations.

**Precautions and methods to avoid:** Wear protective equipment as detailed in Section 8. Absorb spill with inert material. Spill area should be flushed with water to sewer. Pick up with absorbent material. Dispose of according to Local Regulations.

### Section 14 Transport Information

**This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

### Section 15 Regulatory Information

EPA Approval Code: Cleaning Products (subsidiary) – HSR002530

HSNO Classification: 6.1E(res), 6.3B, 8.3A

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L(8.3A)
Emergency Response Plan	10000L(8.3A)
Secondary Containment	10000L(8.3A)
Restriction of Use	None

### Section 16 Other Information

#### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

#### Disclaimer

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Please contact the New Zealand distributor, if further information is required.

Issue Date: 17 May 2021

Review Date: 17 May 2026