



MATERIAL SAFETY DATA SHEET

TOILET BOWL AND URINAL CLEANER

SECTION 1: IDENTIFICATION

PRODUCT NAME: Toilet bowl and urinal cleaner

Product Codes:
3x5L plastic drum: NF TBUC-5
1x15L plastic drum: NF TBUC-15
12x1L plastic drum: NF TBUC-1

Recommended Use: Ready-to-use cleaner and disinfectant for toilet bowls and urinal troughs.

SUPPLIER:

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SECTION 2: HAZARDS IDENTIFICATION

HAZARDOUS

According to criteria of:

National Occupational Health & Safety Commission NOHSC: 1008 (1994)

HAZARDS CLASSIFICATION: Irritant

NOT DANGEROUS GOODS

DANGEROUS GOODS CLASSIFICATION: None Allocated

According to criteria of:

Australian Dangerous Code for Transport by Road & Rail

NOT CLASSIFIED AS A POISON

According to criteria of:

Standard for the Uniform Scheduling of Drugs and Poisons (No.23 June 2008)

RISK PHRASES

R36/38 IRRITATING TO EYES AND SKIN

R52/53 HARMFUL TO AQUATIC ORGANISMS AND MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

SAFETY PHRASES

S2 KEEP OUT OF REACH OF CHILDREN.

S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S28 AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER.

S61 AVOID RELEASE TO THE ENVIRONMENT.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Proportion (%)
Sulphamic acid	5329-14-6	< 10%
Other Non Hazardous Ingredients		To 100%

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF NECESSARY MEASURES ACCORDING TO ROUTES OF EXPOSURE

Swallowed

Do NOT induce vomiting. Wash out mouth with water. If vomiting occurs seek medical attention due to risk of breathing product into the lungs.

For advice, contact a Poisons Information Centre (phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Eye

Immediately flush eyes with plenty of water, holding eyelids open. Seek medical attention if discomfort persists.

Skin

Remove contaminated clothing. Flush affected area with plenty of water. If irritation or discomfort persists, seek medical attention. Wash clothing before reuse.

Inhaled

Not considered a probable path of exposure. If breathing is affected remove victim to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

ADVICE TO DOCTOR

Treat symptomatically based on the individual reactions of patients and judgement of a Doctor.

NOTE: For advice in an emergency, contact the Poisons Information Centre in Australia 13-11-26 or New Zealand 0800-764-766

ADDITIONAL INFORMATION

AGGRAVATED MEDICAL CONDITIONS CAUSED BY EXPOSURE

No information is available on medical conditions, which are aggravated from exposure to this product.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

In case of fire, appropriate extinguishing media include Dry Chemical, Foam, Carbon Dioxide and Water Fog. Use Water to keep fire-exposed containers cool and to protect personnel

HAZARDS FROM COMBUSTION PRODUCTS

The product is Not Combustible under normal conditions. When involved in a fire, this product may generate Carbon Dioxide and Carbon Monoxide. Stable under ordinary conditions of use and storage. Incompatible with Oxidizing Agents and Acids

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS

No specific data is available.

FLAMMABILITY CONDITIONS

Product is aqueous and is not considered Combustible.

HAZCHEM Code: No Hazchem Code has been allocated for this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

Persons involved in a major spill clean up should wear appropriate personal protective equipment. Isolate hazard area and stop leaks if safe to do so. Avoid walking through spilled product, as it may be slippery. Keep unnecessary and unprotected personnel from entering the area. DO NOT allow product to enter drains or waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust or cellulose. Do not flush to sewer.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Chemicals' packaging is generally secure and safe, and handlers do not require special safety equipment to carry a chemical container containing this product.

Read product label and follow all directions thereon.

The product is usually squirted from a squirt bottle onto the surface to be cleaned. Never point towards the face.

When this product is supplied in bulk containers (5L and 15L drums) the product may be transferred into smaller bottles. When such transfer occurs, ensure risk of splashing product is minimised. 15L drums should be tapped for dispensing product (the drums are drilled and bunged for this purpose).

Lifting of bulk containers should be performed in accordance with the National Standard for Manual Handling [NOHSC: 1001(1990)]

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBLES

Protect against physical damage. Store in a cool, dry well-ventilated area. Separate from oxidizing materials and acids.

CONTAINER TYPE

Store in original containers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS

- **OSHA Permissible Exposure Limit (PEL):** No limits have been allocated to this product.

BIOLOGICAL LIMIT VALUES

No Data Available

ENGINEERING CONTROLS

Natural ventilations should be adequate under normal conditions of use.

PERSONAL PROTECTION

Respiratory protection

Not considered necessary under normal conditions of use.

Skin protection

Not considered necessary under normal conditions of use. When cleaning up significant spills wear protective clothing including boots, gloves, lab coat, or coveralls, as appropriate, to prevent excessive skin contact.

Eye protection

Not considered necessary under normal conditions of use. When cleaning up significant spills wear chemical safety goggles and/or full face shield where splashing is possible. Maintain eyewash and quick-drench facilities in work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue slightly viscous liquid
Odour	Isoborn
Solubility in water	Miscible
Specific Gravity	1.00-1.05
pH (as is)	0.75-1.30

pH (1% Aqueous Solution)	2.0-3.0
Viscosity (@ 20°C)	Not available
Flash Point (°C)	>65
Volatile Organic Compounds (VOC) content	Not available
Evaporation Rate	Not available
Percent Volatile	Not available

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY

Product is stable under normal conditions of handling, storage and use.

CONDITIONS TO AVOID

No information is available for this product.

INCOMPATIBLE MATERIALS

Alkalis, sulphides, cyanides and metal powders.

HAZARDOUS DECOMPOSITION PRODUCTS

No information is available for this product.

HAZARDOUS REACTIONS

No information is available for this product.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA

LD₅₀ oral (rat): >3160mg/kg

HEALTH EFFECTS – ACUTE

Swallowed

This product is not harmful by ingestion when assessed against criteria of Worksafe Australia. However, the product may cause irritation to the gastrointestinal tract of some individuals. Symptoms may include nausea, vomiting and diarrhoea.

Eye

This product is an eye irritant when assessed against criteria of Worksafe Australia.

Skin

This product is a skin irritant when assessed against criteria of Worksafe Australia.

Inhaled

This product is not a respiratory tract irritant when assessed against criteria of Worksafe Australia

12. ECOLOGICAL INFORMATION

ECOTOXICITY

No Data is available for this product.

PERSISTENCE AND DEGRADABILITY

No information is available on the persistence and degradability of this product.

MOBILITY

DO NOT allow product to enter Waterways, Drains and Sewers.

ENVIRONMENTAL FATE (Exposure)

No information is available for this product.

BIOACCUMULATION POTENTIAL

No information is available on the Bioaccumulation Potential of this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS AND CONTAINERS

Dispose of in accordance with all local, state and federal regulations. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.

SPECIAL PRECAUTIONS FOR LANDFILL AND INCINERATION

No Data Available

14. TRANSPORT INFORMATION

UN No: Not Regulated
Shipping Name: Not Regulated
DANGEROUS GOODS CLASS: Not Regulated
Subsidiary Risk: Not Regulated
Packaging Group: Not Regulated
HAZCHEM Code: Not Regulated
PRECAUTIONS For User: Not Regulated

15. REGULATORY INFORMATION

Poisons Schedule: Not Regulated
EPG: Not Regulated
AICS Name: Not Regulated
NZ Toxic Substance: No Data

16. OTHER INFORMATION

LEGEND TO ABBREVIATIONS AND ACRONYMS

<	Less than
>	Greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal concentration. LC50 is the concentration of a material in air, which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
NIOSH	National Institute for Occupational Safety and Health

NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN No	United Nations (number)
Immiscible	Liquids are insoluble in each other
Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	Millimetre
ppb	Parts per billion
ppm	Parts per million

LITERATURE REFERENCES and SOURCES of DATA

List of Designated Hazardous Substances [NOHSC (National Occupational Health & Safety Commission)]

Approved Criteria for Classifying Hazardous Substances [NOHSC (National Occupational Health & Safety Commission)]

National Code of Practice for the Control of Workplace Hazardous Substances [HOHSC: 2007 (1994)]

National Standards for the Storage and Handling of Workplace Dangerous Goods [HOHSC: 1015 (2001)]

Exposure Standards Database [NOHSC (National Occupational Health & Safety Commission)]

Australian Dangerous Goods Code for Transport of Road & Rail [ADG Code: Sixth Addition Vol 1 & Vol 2]

Standards for the Uniform Scheduling of Drugs & Poisons [National Drugs and Poisons Committee Publication 23rd Addition June 2008]

AUSTRALIAN / NZ STANDARDS

AS1940: The Storage and Handling of Flammable & Combustible Liquids

AS3780: The Storage & Handling of Corrosive Substances

AS4326: The Storage & Handling of Oxidising Substances

AS/NZS 3780: The Storage & handling of Class 9 (Miscellaneous) Dangerous Goods

AS/NZS 3833: The Storage & Handling of Mixed Classes of Dangerous Goods in Packages & Intermediate Bulk Containers

END OF MSDS

Last Updated: June 2011

Revised By: Northfork Chemicals Australia Pty Ltd



This MSDS summarises Northfork Chemicals (Australia) Pty Ltd best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Northfork Chemicals (Australia) Pty Ltd expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

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