

Safety Data Sheet
According to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Urine Sediment Analyzer Detergent

Version 1.0

Issue date: 09-03-2022

Revision date: 09-03-2022

SDS Record Number: CSSS-TCO-010-117221

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Urine Sediment Analyzer Detergent
Additional identification: Nanoform is NOT covered by this SDS.
UFI: N/A
Identification of the product: See section 3
Index Number: See section 3
REACH registration No.: See section 3

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

It is used for cleaning the pipeline and flow cell of Urine Sediment Analyzer, FUS Series Urinalysis Hybrid and MUS Urinalysis System.

1.2.2 Uses advised against:

Not available

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): DIRUI INDUSTRIAL CO., LTD.
Address: 95 Yunhe Street, New & High Tech. Development Zone Changchun, Jilin 130012
P.R. China
Contact person(E-mail): dirui@dirui.com.cn
Telephone: +86-431-85100409
Fax: +86-431-85172581

1.4 Emergency telephone Number:

+86-431-85100409 Only available during office hours (9:00a.m.-17:30p.m.)

Available outside office hours? YES ☐ NO ☒

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.

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Signal Word(S): No signal word is used.

Hazard Statement: Not applicable.

Precautionary statement: Not applicable.

Supplemental Hazard information (EU) Not applicable.

2.3 Other hazards:

The mixture does not contain PBT/vPvB substance.

The mixture does not contain endocrine disruptor.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	classifications	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Water	N/A	7732-18-5	231-791-2	99.50%	Not Classified	N/A
Sodium hypochlorite	N/A	7681-52-9	231-668-3	0.50%	H314 H318 H400 H410 EUH031	EUH031: C \geq 5 % M=10 M(Chronic)=1

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move to fresh air. Oxygen or artificial respiration if needed. Keep under medical surveillance. In case of problems: Hospitalize.

4.1.2 In case of skin contact:

Wash immediately, abundantly and thoroughly with water. Consult a physician. In case of extensive burns, hospitalize.

4.1.3 In case of eyes contact:

Wash open eyes immediately, abundantly and thoroughly for at least 15 minutes. Consult an ophthalmologist immediately.

4.1.4 In case of ingestion:

Do not induce vomiting, rinse mouth and lips with plenty of water if the subject is conscious, then hospitalize.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use chemical foam, dry chemical, carbon dioxide or water.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products may be released, such as Chlorine, Hypochlorous acid, Sodium chlorate.

5.3 Special fire fighting methods and

In case of fire nearby, remove exposed containers. Cool containers / tanks with

special protective actions for fire-fighters:

water spray. Fire-fighters should wear a self contained breathing apparatus. Complete suit protecting against chemicals.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Prohibit contact with skin and eyes and inhalation of vapors. Use personal protective equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

6.1.2 For emergency responders: Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

6.2 Environmental Precautions: Do not release into the environment. Do not let product enter drains. Dam up and absorb on an inert material.

6.3 Methods for Containment and Cleaning up: Pump into a clean labeled emergency container After cleaning, flush away traces with water. Recover water for later processing. Neutralize contaminated water with a sodium thiosulphate solution.

6.4 Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Use only clean equipment. Provide impermeable floor. Provide a catch-tank and anti-corrosion protected electrical equipment in a bunded area. Avoid splashing when handling. Only dilute with de-ionised water (cationic resin).

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities: Keep tightly closed in a dry, cool and well-ventilated place. Use non-combustible construction materials. Store away from moisture and heat to maintain the technical properties of the product. Protect against light. Store between: 15 °C to 25 °C. Incompatible products: Acids, Ammonia, Combustible material.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: No special requirements.

Hand protection: No special requirements. Wear gloves if necessary.

Body protection: No special requirements.

Respiratory protection: No special requirements.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment. Dispose of rinse water in accordance with

local and national regulations According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	liquid
Colour:	Not available
Odour:	Not available
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	-28.9 °C (CAS# 7681-52-9)
Boiling point/range (°C):	Not available
Flash point (°C):	> 111 °C (CAS# 7681-52-9)
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	ca. 2.5 kPa (CAS# 7681-52-9)
Vapour density:	Not available
Relative density:	1.3 (21.2 °C) (CAS# 7681-52-9)
Bulk density (kg/m ³):	Not available
Water solubility (g/l):	Not available
n-Octanol/Water (log Po/w):	log Pow: -3.42 (20 °C) (CAS# 7681-52-9)
Auto-ignition temperature:	Not available
Decomposition temperature:	>= 60.4 °C (CAS# 7681-52-9)
Viscosity, dynamic (mPa.s):	1.1 - 1.4 mPa s (CAS# 7681-52-9)
Explosive properties:	Not available
Oxidising properties:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	82.4 mN/m (20 °C) (CAS# 7681-52-9)
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable in closed containers under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Product is sensitive to light and moisture.
10.5 Incompatible materials:	Acids (violent decomposition with release of chlorine), Metals (decomposition with formation of oxygen), Combustible material.
10.6 Hazardous decomposition products:	Chlorine, Hypochlorous acid, Sodium chlorate.

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

11.2 Information on toxicological effects:

Acute toxicity:

Sodium hypochlorite (CAS#7681-52-9):

LD50(Oral, Rat): 1100 mg/kg bw

LD50(Dermal, Rabbit): > 20000 mg/kg bw

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

11.2 Information on other hazards

Endocrine disrupting properties: The mixture does not contain endocrine disruptor.

Other information: Not applicable

Section 12 Ecological information

12.1 Toxicity:

Sodium hypochlorite (CAS#7681-52-9):

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	141 µg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Sodium hypochlorite (CAS#7681-52-9): log Pow: -3.42 (20 °C)

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: The mixture does not contain PBT / vPvB substance.

Results of PBT&vPvB assessment: Not available.

12.6 Endocrine disrupting properties: The mixture does not contain endocrine disruptor.

12.7 Other adverse effects: Not available.

12.8 Additional information: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport(ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN-Number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packaging group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations:

Not applicable

Chemical Safety Assessment has been carried out?

YES

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NO

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Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by EU 2020/878

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Training instructions:

Not applicable.

16.5 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.6 Notice to reader:

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