

# MEGADISTRIBUTORS

## Safety Data Sheet      **BANISH**

Supersedes Date Initial Release

Issuing Date JUL 2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** BANISH

**Recommended use** Cleaning agent

**Manufacturer, importer, supplier**

NCH AUSTRALIA PTY LTD , DIV. OF NCH CORPORATION  
5-9,Ralph Street , Alexandria , NSW -2015

**Telephone inquiry**

+61-2-96690260

**Emergency Telephone Number**

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**Fax number**

+61-2-96931562

**Product Code** 4028

**Chemical nature** Aqueous solution Acidic

**Distributor**

MEGA DISTRIBUTERS LTD

P.O Box 101085, North Shore Mail Centre, New Zealand

**Telephone Number**

+64-9-473-6505

**Emergency Telephone Number**

+61-27-458-5684

**Fax number**

+64-9-473-6501

**2. HAZARD IDENTIFICATION**

Colour Pale Light Amber

Physical State Liquid

Odour Pungent

Mixture or Pure Substance: Mixture

**GHS****Classification**Physical Hazards

Substances /mixtures corrosive to metals

Category 1

Health Hazard

Skin Corrosion/Irritation

Category 1B

Specific target organ systemic toxicity (single exposure)

Category 3

Other Hazards**Labelling**Signal Word**Danger**Hazard Statements

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage

H335 - May cause respiratory irritation

Precautionary Statements

P234 - Keep only in original container

P260-Do not breathe dusts or mists

P261 - Avoid breathing dust/fume gas/mist/vapours/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician if unwell.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms call a physician.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 - Wash contaminated clothing before reuse

P390 - Absorb spillage to prevent damage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P406 - Store in corrosive resistant container with a resistant inner liner

P501 - Dispose of contents/container in accordance with applicable local regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No	ENCS	Weight %
Hydrochloric acid	7647-01-0	Present	10-30
INGREDIENTS NOT TO BE HAZARDOUS			UP TO 100

#### 4. FIRST AID MEASURES

<b>General advice</b>	Do not get in eyes, on skin or on clothing. Do not breathe vapours or spray mist.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
<b>Skin Contact</b>	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water
<b>Notes to physician</b>	The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	Not flammable	<b>Method</b>	Not applicable
<b>Auto ignition Temperature</b>	No information available.		
<b>Flammability Limits in Air</b>	% Hydrogen, by reaction with metals.		
<b>Upper 75</b>	<b>Lower 4</b>		
<b>Suitable Extinguishing Media</b>			
Foam. Alcohol-resistant foam. Carbon dioxide (CO2), Foam, Dry Chemical or Water fog. Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
<b>Specific hazards arising from the chemical</b>			
Material can create slippery conditions. May react with galvanised steel or unlined steel metals to produce hydrogen gas which may form a highly flammable or explosive gas mixture .If involved in a major fire , could evolve oxides of nitrogen or phosphorous.			
<b>Protective Equipment and Precautions for Firefighters</b>			
Wear self-contained breathing apparatus pressure-demand, Safe work Australia (approved or equivalent) and full protective gear.			

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Neutralizing Agent</b>	Neutralize with lime milk or soda and flush with plenty of water.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Do not get in eyes, on skin or on clothing Do not breathe vapours or spray mist			
<b>Storage</b>	Store in original container Keep containers tightly closed in a dry, cool and well-ventilated place Freezing will affect the physical condition but will not damage the material. Thaw and mix before using			
<b>Storage Temperature</b>	<b>Minimum</b>	2 °C	<b>Maximum</b>	49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Component	ES-TWA	ISHL	ACGIH TLV
Hydrochloric acid	Peak: 5 ppm Peak: 7.5 mg/m <sup>3</sup>	no data available	Ceiling: 2 ppm
INGREDIENTS NOT TO BE HAZARDOUS		no data available	No data available

### Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

#### Respiratory Protection

In case of inadequate ventilation wear respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

#### Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

#### Hand Protection

Protective gloves

#### Skin Protection

Wear suitable protective clothing, Impervious gloves.

### General Hygiene Considerations

Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent
Colour	Pale Light Amber
Physical State	Liquid
Odour	Pungent
Odour Threshold	No data available
pH (100% solution )	< 1
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	104 °C
Flash Point	Not flammable
Method	Not applicable
Evaporation Rate	0.1 (Butyl acetate=1)
Vapour Pressure	15.44 mm Hg @ 21°C
Solubility	Completely soluble
Vapour Density	0.6 (Air = 1.0)
Specific Gravity	1.09
Auto ignition Temperature	No information available.
Viscosity	Non viscous
Molecular Weight	No data available
Percent Volatile (Volume) 4.1	99.6%
VOC Content (%) 41.901	0
VOC Content (g/L)	0

## 10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Bases, Strong oxidizing agents, Reducing agents, Metals.
Hazardous Decomposition Products	Hydrogen chloride gas, Chlorine gas, Hydrogen, by reaction with metals.
Possibility of Hazardous Reactions	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

**Oral LD50** 3,644.00 mg/kg

**Dermal LD50** No information available

**Inhalation LC50**

**Gas** 3,644.00 mg/L

**Mist** 2.61 mg/L

**Vapour** 16.00 mg/L

**Primary Routes of Entry**

Inhalation

**Main Symptoms**

**Acute Effects**

**Eyes** Corrosive to the eyes and may cause severe damage including blindness.

**Skin** Causes skin burns.

**Inhalation** Harmful by inhalation. Causes burns.

**Ingestion** If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

**Chronic Effects** Inhaled corrosive substances can lead to a toxic oedema of the lungs

**Target Organ Effects**

Respiratory system, Eyes, Skin, Teeth.

**Aggravated Medical Conditions**

Respiratory disorders, Skin disorders.

**Component Information**
**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Hydrochloric acid	238 - 277 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 1.68 mg/L ( Rat ) 1 h	no data available	no data available
INGREDIENTS NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

**Chronic Toxicity**

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Hydrochloric acid	no data available	no data available	no data available	no data available	eyes, respiratory system, skin, teeth
INGREDIENTS NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

Component	ES	ACGIH	IARC	NTP	Other
Hydrochloric acid	not applicable	not applicable	not applicable	not applicable	not applicable
INGREDIENTS NOT TO BE HAZARDOUS	not applicable	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

**Product Information**

No data available

**Component Information**

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Hydrochloric acid	no data available	no data available	no data available	no data available	N/A
INGREDIENTS NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	N/A

**Eco toxicity effects**

No information available

**Persistence & Degradability**

No specific information.

**Bioaccumulation**

No information available

**Mobility**

No information available

**13. DISPOSAL CONSIDERATIONS**

<b>Product Disposal</b>	Dispose of in accordance with local regulations.
<b>Container Disposal</b>	Empty containers should be taken for local recycling, recovery, or waste disposal.

**14. TRANSPORT INFORMATION****ADG 7**

<b>UN-No</b>	UN1789
<b>Proper Shipping Name</b>	Hydrochloric acid solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Hazchem Code</b>	2R
<b>Shipping Description</b>	UN1789, Hydrochloric acid solution,8,PG II

**15. REGULATORY INFORMATION**

<b>Australia</b>	
<b>Poison Schedule</b>	Schedule 6

**16. OTHER INFORMATION**

<b>Prepared By</b>	Arvind Rane
<b>Super cedes Date</b>	Initial Release
<b>Issuing Date</b>	JUL 2018
<b>Reason for Revision</b>	GHS -SDS FORMAT
<b>Glossary</b>	No information available.
<b>List of References.</b>	No information available.

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