Safety Data Sheet SPEED

Super cedes Date DEC 2016 **Issuing Date JUNE 2020**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SPEED
Recommended use Concentrated Drain Opener
Manufacturer, importer, supplier
NCH AUSTRAILIA PTY LTD, DIV. OF NCH CORPORATION
5-9 RALPH STREET, ALEXANDRA, NSW -2015
Telephone inquiry
+61-2-96690260
Emergency Telephone Number
+61-2-96690237 / 0401718972
Fax number
+61-2-96931562

Product Code 5907
Chemical nature Acid
Distributor
MEGA DISTRIBUTORS NEW ZEALAND
P.O Box 101085, North Shore Mail Centre, New Zealand
Telephone inquiry
+64-9-473-6505
Emergency Telephone Number
+61-27-458-5684
Fax number
+64-9-473-6301

2. HAZARD IDENTIFICATION

Colour Dark brown **Physical State** Liquid **Odour** Strong
Mixture or Pure Substance: Mixture

GHS Classification

Physical Hazards

Substances/mixtures corrosive to metal	Category 1

Health Hazard

Skin Corrosion/Irritation	Category 1A
Serious Eye Damage/Eye Irritation	Category 1

Other Hazards

Labelling

Signal Word

Danger

Hazard Statements

H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Precautionary Statements

P234 - Keep only in original container
P260-Do not breath dusts or mists
P262 - Do not get in eyes, on skin, or on clothing
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P353 - IF SWALLOWED: Rinse mouth .Do not induce vomiting.
P303+P361+P353 - IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P310 - Immediately call a POISON CENTER or doctor/physician
P390 - Absorb spillage to prevent damage
P304+P340 – IF INHALED: Remove victim to fresh air & 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.
P405 - Store locked up
P406 - Store in corrosive resistant container with a resistant inner liner
P501 - Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	ENCS	Weight %
Sulphuric acid	7664-93-9	Present	>60
INGREDIENTS NOT TO BE HAZARDOUS			TO 100

4. FIRST AID MEASURES

General advice	Do not breathe vapours or spray mist. Do not get in eyes, on skin or on clothing.
Eye Contact	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.
Skin Contact	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to physician	The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point Not applicable **Method** Not applicable
Auto ignition Temperature No information available.
Upper No data available **Lower** No data available
Suitable Extinguishing Media
Carbon dioxide (CO2), Foam, Dry Chemical or Water fog. Dry chemical.
Specific hazards arising from the chemical
Material can create slippery conditions.
Protective Equipment and Precautions for Firefighters
Wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	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).
Methods for Cleaning Up	Prevent further leakage or spillage. Keep in suitable and closed containers for disposal.
Neutralizing Agent	Neutralize with lime milk or soda and flush with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid breathing vapours, mist or gas Avoid contact with skin, eyes and clothing
Storage	Store in original container Keep containers tightly closed in a dry, cool and well-ventilated place Do not freeze
Storage Temperature	**Minimum** 0°C **Maximum** 49°C
Storage Conditions	**Indoor X** **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ES-TWA	ISHL	ACGIH TLV
Sulphuric acid	STEL: 3 mg/m^3 TWA: 1 mg/m^3	no data available	TWA: 0.2 mg/m^3
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 Use NIOSH approved respiratory protection

Eye/Face Protection Tightly fitting safety goggles. Face-shield.

Hand Protection Protective gloves

Skin Protection Wear suitable protective clothing, Impervious gloves.

General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Dark brown
Physical State	Liquid
Odour	Strong
Odour Threshold	No data available
pH	<1(in 10% solution
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	270 °C
Flash Point	Not applicable
Method	Not applicable
Evaporation Rate	Not applicable
Vapour Pressure	<0.001mm Hg @ 21°C
Solubility	Soluble
Vapour Density	3.4
Specific Gravity	1.8
Auto ignition Temperature	No information available.
Viscosity	Non viscous
Molecular Weight	No data available
Percent Volatile (Volume) 4.1	No information available
VOC Content (%) 41.901	No information available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Rapidly reacts with water or water vapour to form hydrofluoric acid which reacts with most metals and organic materials resulting in evolution of heat and hydrogen gas, Keep away from children, Protect from moisture & water, Contact with metals liberates hydrogen gas.
Incompatible Products	Strong oxidizing agents
Hazardous Decomposition Products	Contact with metals liberates hydrogen gas, At high temperatures, Sulphur oxides.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information
Principle Route of Exposure Skin contact, Eye contact, Inhalation.
0.8 % of the mixture consists of ingredients of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):
Oral LD50 2,149.00 mg/kg
Dermal LD50 No information available
Inhalation LC50
Gas Not applicable
Mist 0.05 mg/L
Vapour 0.51 mg/L
Primary Routes of Entry None known
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 None known
Aggravated Medical Conditions No information available

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sulphuric acid	= 2140 mg/kg (Rat)	no data available	= 510 mg/m^3 (Rat) 2 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
Sulphuric acid	no data available	no data available	no data available	no data available	respiratory system, skin, eyes, 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.

12. ECOLOGICAL INFORMATION

Product Information No data available
Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sulphuric acid	no data available	LC50 > 500 mg/L Brachydanio rerio 96 h	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 Can harm aquatic organisms
Persistence and Degradability The product is water based, inorganic, & is readily biodegradable.
Bioaccumulation It readily dissociate in the environment & is not believed to bio accumulate.
Mobility Soluble in water .Avoid contaminating waterways as product is highly acidic & can react with water

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of contents/container in accordance with local regulation.
Container Disposal	Do not re-use empty containers. Clean container with water. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

ADG 7

UN No.	UN 1830
Proper Shipping Name	SULFURIC ACID
Hazard Class	8
Hazchem Code	2P
Packing Group	II
Shipping Description	UN1830, SULFURIC ACID, 8, PGII (Note: Limited Quantity exceptions may apply)

15. REGULATORY INFORMATION

Australia

POISON SCHEDULE	Schedule 6

16. OTHER INFORMATION

Prepared By	Arvind Rane
Super cedes Date	DEC 2016
Issuing Date	JUNE 2020
Reason for Revision	SDS FORMAT
List of References.	No information available.

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