

FLUSH

BATHROOM DETERGENT

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: FLUSH

Other Names: None

Recommended Use: A Mild Acidic Detergent

Product Code: FLUSH05 (5L) - FLUSH25 (25L)

Company: CCS Chemicals (Aust) Pty Ltd. (A.C.N. 063 274 279)

Address: 263 – 265 Huntingdale Road, Huntingdale, Vic. 3166.

Telephone: 03 9544 9911

Facsimile: 03 9544 9922

Emergency Telephone Number:

Poisons Information Centre **131 126** (24 hours a day)

SECTION 2: HAZARDS IDENTIFICATION

Not classified as hazardous by the criteria of NOHSC Australia.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Proportion
Phosphoric Acid	7664-38-2	<10%
Aminosulphonic Acid	5329-14-6	<10%
Methyl Salicylate	119-36-8	<10%
Non hazardous component(s)		to 100%

SECTION 4: FIRST AID MEASURES

Eye (Contact): If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention.

Skin (Contact): If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wash contaminated clothing before reuse.

Inhalation (Breathing): Remove to fresh air. Apply artificial respiration if not breathing. Seek immediate medical attention.

Ingestion (Swallowing): For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0800 764 766) or a Doctor (at once). If swallowed do NOT induce vomiting. Wash out mouth with water then have victim drink copious amounts of water to dilute material in stomach. Quickly transport victim to an emergency facility.

Advice to Doctor: Treat symptomatically as for acids.

First Aid Facilities: Eye wash station and clear running water.

Additional Information: No aggravated medical conditions are known to be caused by exposure to this product.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Solution does not burn. Use extinguishing media suited to the materials that are burning. E.g. dry chemical, CO₂ or water spray. Do NOT use water jets.

Hazards from Combustion Products: This product is not combustible, but will decompose under fire conditions releasing toxic and irritating oxides of phosphorus. Contact with common metals produces hydrogen which may form flammable mixtures of air.

Precautions for Fire Fighters and Special Protective Equipment: Fire fighters must wear full protective clothing including self contained breathing apparatus (S.C.U.B.A.) and chemical splash suit. Ensure that no spillage enters drains or water courses. Determine the need to evacuate or isolate the area according to your local emergency plan. Keep containers cool with water spray. Water spray may also be used to control acid vapours.

Additional Information: Hazchem Code – Not allocated.

SECTION 6: ACCIDENTAL RELEASE MEASURES



Emergency Procedure: SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide (Guide 37) - for large volumes.

Spills / Clean Up: For small volumes (approximately less than 5L) – clean up personnel should wear full protective equipment (refer to SECTION 8). Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material such as sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the outside of the spill to the centre or from the edge of the room to the centre.

SECTION 7: HANDLING AND STORAGE



Precautions for Safe Handling: Any non-authorized use of this product may result in personal injuries or property damage. Wear appropriate (PPE) protective equipment (refer to SECTION 8) when handling undiluted product, to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet. Contact CCS Chemicals sales representative for advice when using this product for any application other than that outlined on the label or fact sheet. Do NOT mix with any other chemical.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area, out of direct sun light and away from incompatible materials (as described in SECTION 10). Store in original tightly sealed labelled containers at all times.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the occupational environment [NOHSC: 1003].

Ingredient	CAS No	ES-TWA	ES-STEL
Not available.			

Biological Limit Values: Not available

Engineering controls: Ensure adequate ventilation to keep airborne concentrations below exposure standards.

Personal Protective Equipment (PPE):



Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact when handling undiluted product, working above the face or any risk of splash back exists.

Skin protection – Use rubber gloves to prevent skin contact. Wear clothing and footwear suitable to prevent skin contact.

Respiratory protection – A respirator is not usually necessary. If the product is being used in a confined area where mist is a problem, use an approved respirator with a suitable replaceable vapour/mist filter.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear blue liquid

Odour: Gaultheria

pH: 1.0 – 2.0

Specific Gravity: 1.03 +/- 0.005 @ 25 °C

Vapour Pressure: 24 mm Hg @ 25 °C

Vapour Density: Not Available

Boiling Point: 100 °C

Freezing Point: 0 °C

Solubility: Soluble in water.

Flashpoint: Not Applicable

Upper and Lower Flammable (explosive) Limits in air: Not Applicable

Ignition Temperature: Not Applicable

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SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal ambient storage conditions.
Conditions to avoid: Avoid extreme temperatures (store above 10°C and below 30°C) and direct sunlight. Protect against physical damage.
Incompatible materials: Incompatible with caustics, alkalis, chlorine based materials and strong oxidising agents. Do not mix with other chemicals.
Hazardous decomposition products: Oxides of phosphorous and sulphur. Nitrous gases.
Hazardous reactions: Reacts with strong alkali's, strong oxidising and reducing agents, most metals, sulphides, phosphides, cyanides, acetylides, fluorides and carbides, releasing flammable or toxic gases. Do not mix with chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Swallowed: May cause burns to the mouth and throat, pain in the stomach, difficulty in breathing, nausea, vomiting, diarrhoea, and convulsions.
Eye: An eye irritant. When splashed in the eyes, concentrated solutions can cause severe burns, pain and permanent eye damage.
Skin: Concentrated acid solutions can cause severe burns if not washed of immediately.
Inhalation: May cause irritation of the nose and respiratory system and possible harmful corrosive effects.

CHRONIC HEALTH EFFECTS

Swallowed: May be fatal if swallowed.
Eye: Can cause eye damage.
Skin: Exposure to this material can result in skin burns leading to tissue destruction or allergic contact dermatitis.
Inhalation: Possibility of necrosis of the nasal passages and edema of the lungs.

TOXICITY DATA

For Sulfamic Acid

LD50 (Acute Oral Toxicity): 3160 mg/kg (Rat)
LD50 (IRDS Skin): 0500 mg/24 H SEV (Rabbit)
LC50 (IRDS Eye): 2050 ug/24 H SEV
Carcinogenicity: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.
Persistence / Degradability: Not available.
Mobility: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of Containers: Rinse empty containers thoroughly with water and place in trash collection.
Disposal Method: Dispose of in accordance with Local, State and Federal regulations at an approved waste disposal facility, or through a licensed chemical waste disposal company.

SECTION 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number: Not applicable.
Proper Shipping Name: Not applicable.
Class and subsidiary Risk: Not applicable.
Packaging Group: Not applicable.
Special Precautions for User: Not applicable.
Hazchem Code: Not applicable.

SECTION 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Schedule 5 – CAUTION
Keep out of reach of children. Read safety directions before opening or using. Do not swallow. Avoid contact with skin. Avoid contact with eyes.

SECTION 16: OTHER INFORMATION

Date of preparation: 3rd July 2007

For further information on any details described in this MSDS, please contact:

Technical Department – Technical Manager
CCS Chemicals (Aust) Pty Ltd
Head Office: (03) 9544 9911

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END OF MSDS