Section 1 – Identification of the substance/preparation and the company

Product Name:	G2
Company:	Donaghys Ltd
Address:	16 Sheffield Crescent PO Box 20 449 Christchurch
Telephone Number:	0800 942 006
Manufacturer Product Code:	AG20200
Recommended Use:	Acidic General Purpose Detergent Sanitiser

Section 2 – Hazard Identification

Hazard Classes:

6.1D	Harmful if swallowed
6.9A	Causes damage to organs through prolonged or repeated exposure
8.2C	Causes serious skin burns
8.3A	Causes sever eye damage
9.1D	May be harmful to aquatic life
9.3C	Harmful to terrestrial invertebrates

EPA NZ Approval Code: HSR002521 Cleaning Products (Corrosive) Group Standard

Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Phosphoric Acid	7664-38-2	10-30%
Sulfuric Acid	7664-93-9	10-30%
Non- QAC Sanitiser	Trade Secret	1-10%

Section 4 – First Aid Measures

If Swallowed:	Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTRE or doctor/physician.
If in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue rinsing. Immediately call a POISON CENTRE or doctor / physician.
If on skin (or hair):	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE or doctor/physician
If inhaled:	Remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, immediately call a POISON CENTRE or doctor / physician.
Advice to Doctor:	Treat symptomatically.

POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

Section 5 – Fire-fighting Measures

Flashpoint:	Not applicable
Combustion Products:	Decomposes on heating and may produce toxic fumes of carbon monoxide (CO). Other decomposition products include phosphorus oxides (POx), chlorides and nitrogen oxides (NOx)
Flammability Limits:	Not applicable
Protective Equipment:	Breathing apparatus, face shield or protective goggles, and neoprene rubber gloves and boots
Extinguishing Media:	Based on surrounding materials
Special Fire Fighting Methods:	None

Section 6 – Accidental Release Measures

Spills and Disposal:

MAJOR SPILLS

Slippery when spilt. Minor hazard.
1: Clear area of personnel.
2: Alert Fire Brigade and tell them location and nature of hazard.
3: Control personal contact by using protective equipment as required.
4: Prevent spillage from entering drains or waterways.
5: Contain spill with sand, earth or vermiculite.
6: Collect recoverable product into labelled containers for recycling.
7: Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.
8: Wash area and prevent runoff into drains or waterways.
9: If contamination of drains or waterways occurs, advise emergency services.

Minor Spills:

Slippery when spilt.
1: Clean up all spills immediately.
2: Avoid breathing vapours and contact with skin and eyes.
3: Control personal contact by using protective equipment.
4: Contain and absorb spill with sand, earth, inert material or vermiculite.
5: Wipe up.
6: Place in a suitable labelled container for waste disposal.

Disposal:

1: Recycle wherever possible or consult manufacturer for recycling options.
2: Consult State Land Waste Management Authority for disposal.
3: Treat and neutralise with slaked lime at an effluent treatment plant.
4: Recycle containers, otherwise dispose of in an authorised landfill.

Protective Equipment:	Wear neoprene gloves and boots, overalls and face/eye protection
Environmental Precautions:	Avoid entry into waterways or streams. Prevent washings from entering waterways.

Section 7– Handling and Storage

Storage:

Keep only in original container, tightly closed, away from food stuffs. If required, store in corrosive resistant container with a resistant inner liner. Keep out of direct sunlight. Keep locked up in a cool place

STORAGE INCOMPATIBILITY
Segregate from alkalies, oxidising agents and chemicals readily decomposed by acids, i.e. cyanides, sulfides, carbonates.
STORAGE REQUIREMENTS
1: Store in original containers.
2: Keep containers securely sealed.
3: Store in a cool, dry, well-ventilated area.
4: Store away from incompatible materials and foodstuff containers.
5: Protect containers against physical damage and check regularly for leaks.
6: Observe storing and handling recommendations on label.

Handling:

Do not handle until all safety instructions have been read and understood.
Wear eye / face protection.
In case of inadequate ventilation wear respiratory protection.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Section 8 – Exposure Controls/Personal Protection

These precautions are suggested for conditions where the potential for exposure to the product exists. Emergency conditions may require additional precautions.

Exposure Limits:

None assigned. Refer to individual constituents.
<phosphoric acid>
TLV TWA: 1 mg/m3; STEL: 3 mg/m3
ES TWA: 1 mg/m3; STEL: 3 mg/m3
OES STEL: 2 mg/m3
IDLH Level: 1000 mg/m3

Protective Equipment:

Observe good work place practices and avoid contact with skin and eyes. Wear overalls, safety glasses and neoprene gloves when handling. Wear eye / face protection. In case of inadequate ventilation wear respiratory protection.

Hygiene Precautions:

Do not eat, drink or smoke when using this product.

Engineering Controls:

General exhaust is adequate under normal operating conditions.
If risk of overexposure exists, wear SAA approved respirator.
Correct fit is essential to obtain adequate protection.
Provide adequate ventilation in warehouse or closed storage areas.

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Section 9 – Physical and Chemical Properties

Appearance:	Pink liquid
Odour:	Acidic odour
Specific Gravity:	N/A
pH:	N/A
Vapour Pressure:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Flammability Limits:	N/A
Solubility:	Soluble in water

Section 10 – Stability and Reactivity

Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	None

Section 11 – Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Ingestion:	Considered an unlikely route of entry in commercial/industrial environments. The liquid is discomforting and may be harmful if swallowed and is capable of causing burns to mouth, throat, oesophagus, with extreme discomfort, pain if swallowed in quantity. Ingestion may result in nausea, abdominal irritation, pain and vomiting
Inhalation:	Not normally a hazard due to non-volatile nature of product. The mist is discomforting to the upper respiratory tract and may cause breathing difficulty.
Dermal:	The liquid is discomforting to the skin and is capable of causing skin sensitisation and skin reactions which may lead to dermatitis from repeated exposures over long periods. Bare unprotected skin should not be exposed to this material. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to vesiculation, scaling and thickening of the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis. Contact with broken skin can be painful.
Ocular:	The liquid is highly discomforting to the eyes and is capable of causing pain and severe conjunctivitis. Corneal injury may develop, with possible permanent impairment of vision, if not promptly and adequately treated. The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

Chronic Effects: Primary route of exposure is usually by skin contact. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

Section 12 - Ecological Information

EPA Classification: 9.1D, 9.3C
Ecotoxicity: May be harmful to aquatic life. Harmful to terrestrial invertebrates
Bioaccumulation: Product contains bioaccumulative and ecologically persistent ingredients

Section 13 – Disposal Considerations

Product Disposal: If possible dispose of by using according to the label, otherwise dispose of in an approved landfill or bury below 50 cm in a disposal pit specifically marked and set up for this purpose clear of waterways

Container Disposal: Triple rinse container and add residue to feed system. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise crush and bury in a suitable landfill.

Section 14 – Transport Information

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S
UN Number: 3264
DG Class: 8
Subsidiary Risk Class: None
Packing Group: II
HAZCHEM Code: 2X

Section 15 – Regulatory Information

EPA NZ Registration Code: HSR002526
See http://www.epa.govt.nz for approval conditions
NZFSA Approval Number: H3126

Section 16 – Other Information

The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Donaghys Ltd for more information.

EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)