



Safety Data Sheet

This safety data sheet complies with the requirements of: WHS regulation 2011

Product name Ansul R-102 Flushing Concentrate

Section 1: Identification: Product identifier and chemical identity

Product Identifier

Product name Ansul R-102 Flushing Concentrate

Product code GFN1070-2-002

Other means of identification

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Sold to the general public No

Recommended use No information available

Uses advised against Consumer use

Details of manufacturer or importer

Supplier

Tyco Fire Protection Products
Level 3, 95 Coventry Street,
Southbank, Australia-Victoria 3006
+613 9313 9711

For further information, please contact

Product Stewardship at 1-715-735-7411

Emergency Telephone Number

612 9037 2994 (Australia)

Section 2: Hazard(s) identification

GHS - Classification

Serious eye damage/eye irritation Category 2 - (H319)

Specific target organ toxicity (single exposure) Category 3 - (H335)

Label Elements

Exclamation mark



Product code GFN1070-2-002 /

Product name Ansul R-102 /
Flushing Concentrate

PAGE 2 / 9



Signal word

WARNING

Hazard statements

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

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

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

Use only outdoors or in a well-ventilated area

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

If eye irritation persists: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTRE or doctor/physician if you feel unwell

Precautionary Statements - Storage

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

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

May be harmful if swallowed

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Not Applicable

Mixture

Chemical name	CAS No	weight-%
Potassium carbonate	584-08-7	30 - 40%
Potassium Acetate	127-08-2	10 - 20%
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

Emergency telephone number

Poisons Information Center, Australia: 13 11 26

Poisons Information Center, New Zealand: 0800 764 766



Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash skin with soap and water.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms Burning sensation.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians Treat symptomatically.

Section 5: Firefighting measures

Suitable extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific Hazards Arising from the Chemical

Specific hazards arising from the chemical No information available.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx). Oxides of sulphur.

Special Protective Actions for Fire-Fighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

Other Information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

Environmental Precautions



Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labelled containers.

Precautions to prevent secondary hazards

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: Handling and storage, including how the chemical may be safely used

Precautions for Safe Handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

Section 8: Exposure controls and personal protection

Control Parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection Wear suitable protective clothing.

Hand protection Wear suitable gloves.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.



Environmental exposure controls No information available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	No data available
Colour	Yellow
Odour	Acetic acid.
Odour Threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	No data available
Melting point/freezing point	No data available	No data available
Boiling point / boiling range	> 100 °C	
Flash Point	> 100 °C	
Evaporation Rate	No data available	No data available
Flammability (solid, gas)	No data available	No data available
Flammability limit in air		No data available
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapour Pressure	No data available	No data available
Vapour Density	No data available	No data available
Relative Density	No data available	No data available
Water Solubility	No data available	No data available
solubility(ies)	No data available	No data available
Partition coefficient	No data available	No data available
Autoignition Temperature	No data available	No data available
Decomposition Temperature	No data available	No data available
Kinematic viscosity	No data available	No data available
Dynamic viscosity	No data available	No data available

OTHER INFORMATION

softening point	No information available
Molecular Weight	No information available
VOC content (%)	No information available
Density	No information available
Bulk Density	No information available

Section 10: Stability and reactivity

Reactivity

Reactivity No information available.

Chemical Stability

Stability Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.



Product code GFN1070-2-002 / Product name Ansul R-102 /
Flushing Concentrate

PAGE 6 / 9

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous Polymerisation Hazardous polymerisation does not occur.

Conditions to Avoid

Conditions to avoid None known based on information supplied.

Incompatible Materials

Incompatible materials None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Oxides of sulphur.

Section 11: Toxicological information

Acute Toxicity

Information on Likely Routes of Exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms May cause redness and tearing of the eyes.

Numerical Measures of Toxicity - Product information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4,448.00 mg/kg

Unknown acute toxicity 50 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
50 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
50 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
50 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
50 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information



Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium carbonate	= 1870 mg/kg (Rat)	-	-
Potassium Acetate	= 3250 mg/kg (Rat)	-	-

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Irritating to eyes.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	May cause respiratory irritation.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Section 12: Ecological information

Ecotoxicity

Ecotoxicity .

Unknown aquatic toxicity 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea
Potassium Acetate	-	LC50 (96h) semi-static = 6800 mg/L Oncorhynchus mykiss	-	EC50 (24h) = 7170 mg/L Daphnia magna

Persistence and Degradability

No information available.

Bioaccumulative potential

Bioaccumulation No information available.

Mobility



Product code GFN1070-2-002 / Product name Ansul R-102 /
Flushing Concentrate

PAGE 8 / 9

Mobility in Soil No information available.

Mobility No information available.

Other Adverse Effects

Other Adverse Effects No information available.

Section 13: Disposal considerations

Waste Treatment Methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Section 14: Transport information

ADG NOT REGULATED

IATA NOT REGULATED

IMDG NOT REGULATED

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE
No information available

Section 15: Regulatory information

REGULATORY INFORMATION

National Regulations

Australia

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies



Product code GFN1070-2-002 / Product name Ansul R-102 /
Flushing Concentrate

PAGE 9 / 9

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

International regulations

Ozone-depleting substances (ODS) Not Applicable

Persistent Organic Pollutants Not Applicable

Export Notification requirements Not Applicable

Section 16: Any other relevant information

Revision date 10-Oct-2017

Revision note
No information available.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
c	carcinogen		

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet