



Safety Data Sheet

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

Product name Plus Fifty C

Section 1: Identification: Product identifier and chemical identity

Product Identifier

Product name Plus Fifty C

Product code GFN2011-2-008

Other means of identification

Recommended use of the chemical and restrictions on use

Sold to the general public No
Recommended use Fire extinguishing agent

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

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

Label Elements

Hazard statements

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

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-%
Sodium Hydrogen Carbonate	144-55-8	90 - 100%
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures**Description of first aid measures**

Emergency telephone number	Poisons Information Center, Australia: 13 11 26 Poisons Information Center, New Zealand: 0800 764 766
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most Important Symptoms and Effects, Both Acute and Delayed**Symptoms** No information available.**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.**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.
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.

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 No special protective equipment required.
Skin and body protection No special protective equipment required.
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	powder
Appearance	No data available
Colour	Light blue
Odour	None.
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	No data available	No data available
Flash Point	No data available	No data available
Evaporation Rate	No data available	No data available
Flammability (solid, gas)	No data available	No data available
Flammability limit in air	No data available	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.

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).

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.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms No information available.

Numerical Measures of Toxicity - Product information

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

ATEmix (oral) 4,611.00 mg/kg

Unknown acute toxicity 99.38873 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
7.86873 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
99.38873 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
99.38873 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
99.38873 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Hydrogen Carbonate	= 4220 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 No information available.



Serious eye damage/eye irritation	No information available.
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	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Section 12: Ecological information

Ecotoxicity

Ecotoxicity

Unknown aquatic toxicity 0.05976 % 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
Sodium Hydrogen Carbonate	EC50 (120h) = 650 mg/L Nitzschia linearis	LC50 (96h) static 8250 - 9000 mg/L Lepomis macrochirus	-	EC50 (48h) = 2350 mg/L Daphnia magna

Persistence and Degradability

No information available.

Bioaccumulative potential

Bioaccumulation No information available.

Mobility

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	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

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 11-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