Material Safety Data Sheet

MULTI-FILL PTY LTD

1. IDENTIFICATION

Product Name: Tonizone Spray Starch
Pack Size: 400g and 550g
Manufacturer's Code: 305003 and 305006

Supplier: Multi-Fill Pty. Ltd.
A.C.N.: 053 439 080
Street Address: 14 Garling Rd.
Kings Park, 2148
NSW Australia

Telephone: +61 2 9621 6000
Facsimile: +61 2 9831 2635
Use: Starch Ironing Spray

Emergency Telephone Number: No emergency telephone number available.

2. HAZARDS IDENTIFICATION

HAZARDOUS AND DANGEROUS ACCORDING TO THE CRITERIA OF NOHSC and ADGC

The product is classified as Dangerous Goods Class 2.1, by the criteria of the Australian **Dangerous** Goods Code for transport by road and rail.
Hazardous according to the criteria of NOHSC

R-Phrase(s): Extremely Flammable
R12 Extremely flammable
R66: Repeated exposure may cause skin dryness or cracking.

S-Phrase(s):

S02 Keep out of the reach of children
S03 Keep in a cool place
S15 Keep away from heat
S16 Keep away from sources of ignition - No smoking
S21 When using do not smoke
S23 Do not breathe gas/fumes/vapour/spray
S24 Avoid contact with skin
S25 Avoid contact with eyes
S26:In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Phone 13 11 26.
S47 Keep at temperature below 50 ° C
S62: If swallowed do **NOT** induce vomiting, seek medical advice immediately (contact a doctor or Poisons Information Centre. Phone 13 11 26) and show this container or label.
S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion (%w/w)
Propane/Butane	74-98-6/106-97-8	7.5%
Non Hazardous		92.5%

All the constituents of this material are listed on the Australian Inventory of Chemical Substances

4. FIRST AID MEASURES

Skin: Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Eyes: Irrigate with copious amounts of water for 15 minutes. In all cases of eye contamination, it is recommended to seek medical advice.

Inhalation: Remove victim from exposure – avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through facemask. If breathing has stopped, apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.

Ingestion: Give a little water to drink. **Do NOT induce vomiting**. Avoid giving milks, oils or alcohol. Seek medical advice

Advice to doctor – treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific hazards: Aerosol cans may rupture or explode when exposed to temperatures above 50ºC. Propellant is extremely flammable and heavier than air. Do not allow vapours to build up in pits or hollows.

Fire fighting further advice: Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers from fire area. Do not approach hot containers. Cool containers with water before handling. If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn

Fire-fighters to wear self-contained breathing apparatus (SCBA) and protective gloves. Structural fire-fighter's uniform provides limited protection.

Suitable extinguishing media: For small fires use water spray, dry chemical or carbon dioxide
For large fires use water spray or fog

Additional Information: The product is a **UN 1950** and has a **HAZCHEM CODE: 2YE**

6. ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Contain spill for disposal. Add absorbent (sand, earth, sawdust, etc.) to spill area. Keep out of drains and waterways. Dispose of adsorbed material at an approved disposal site according to local government regulations. Ventilate confined spaces well.

7. HANDLING AND STORAGE

Storage: Store away from oxidising agents. Do not store above 50ºC. Do **NOT** allow cartons to become wet.

Classified as Class 2.1(Aerosols) for the purpose of storage and handling, in accordance with the requirements of AS 2278. Refer to State and Territory Dangerous Goods regulations.

Handling: label of can states
"**CAUTION: FLAMMABLE. KEEP OUT FOR REACH OF CHILDREN.** Pressurised dispenser. Protect from sunlight and do not expose to temperatures exceeding 50ºC.

Do not pierce or burn can, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition. No Smoking. Use in well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure limits
The assigned value is TWA 800ppm for propellant butane as given by the National Occupational Health and Safety Commission. Propane is an asphyxiant

Engineering measures
Use explosion proof equipment. Use only in a well ventilated area. Do **NOT** use near naked flames.

Personal Protection
At all times protect eyes and avoid direct contact with eyes. In a work environment wear gloves. Avoid breathing odour in an industrial area and where the exposure standard is exceeded use a supplied air facemask or a self contained breathing apparatus complying with AS1715 and AS1716

Flammability
Use in well ventilated areas. Do **NOT** use near ignition sources.

Biological Limit Values
No biological limit allocated

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dispenses as an aerosol into a fine mist with an odour of lemon.
Flashpoint:	-62ºC
Flammability Limits:	9.6% (upper) 1.9% (lower)
Boiling Point (ºC):	Not Applicable
Solubility in Water:	Soluble
Pressure (25ºC):	450kPa
Specific Gravity:	0.97g/mL

10. STABILITY AND REACTIVITY

Product is stable under normal ambient conditions. Not to be stored above 50ºC. Propellant can react with oxidising agents – chlorine, pool chlorine and nitric acid. Store away from oxygen cylinders, oxidising materials and ignition sources.

11. TOXICOLOGICAL INFORMATION

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

WARNING: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS CAN BE HARMFUL OR FATAL. Propellent: Hydrocarbons."

Acute Effects

Skin contact: Contact with skin may result in mild irritation. Vapourising liquid or liquid contact can result in cold contact burns

Eye contact: Liquid will cause severe damage. Vapour will cause irritation

Inhalation: Vapour is a mild irritant. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of coordination and impaired judgement.

Ingestion: Ingestion can result in nausea, vomiting and diarrhoea.

Chronic Effects
No chronic systemic effects reported from industrial exposures.
Carcinogenicity, Mutigenicity, Teratogenicity : No Known effect.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. No data available for persistence/degradability or mobility.

13. DISPOSAL CONSIDERATIONS

Aerosols should be completely empty before disposing. Recycle can if a facility is available or place can in household rubbish

14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Road and Rail.

UN Number:	1950
UN Proper Shipping Name:	Aerosols
Class and Subsidiary Risk:	2.1
Packing Group:	None allocated
Hazchem Code:	2Y3

Do not allow cartons to become wet. Do not store above 50ºC.
Special precautions for user: Special provisions 63 (Division 2.1 Extremely Flammable), 190 Aerosol dispensers must be provided with protection against inadvertent discharge, , 327 Leaking or severely deformed aerosols must be transported in salvage packagings provided appropriate measures are taken to ensure there is no dangerous build up of pressure. Waste aerosols must not be transported in closed freight container

15. REGULATORY INFORMATION

Classified as Dangerous Goods Class 2.1, by the criteria of the Australian Dangerous Goods Code for transport by road and rail.

Hazard Category: Flammable

Poisons Schedule (Aust)/Toxic Substance (NZ): None Allocated

16. OTHER INFORMATION

This MSDS summarises at the date if issue our best knowledge of the health and safety hazard information of this product. Although this information is presented in good faith and compiled from various sources, believed to be accurate, Multi-Fill Pty Ltd make no representations or warranty as to the completeness or accuracy thereof. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

CONTACT POINT: Multi-Fill Pty Ltd
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