Safety Data Sheet – PROTECTO-TAK

1. Identification

Product Name: PROTECTO-TAK GENERAL PURPOSE SPRAY ADHESIVE

UN Number: 1950

Recommended Use: Aerosol adhesive.

Proper Shipping Name: AEROSOLS, flammable

NZ Supplier:

Name: Marshall Innovations Ltd
Address: 41 Hotuhotu Street
Tauriko
Tauranga 3110
Phone: 0800 776 9727
Email: admin@mwnz.com
Website: www.mwnz.com

Manufacturer:

Name: Protecto Wrap Company
Address: 1955 South Cherokee Street
Denver, CO 80223
Email: info@protectowrap.com
Website: www.protectowrap.com

Emergency Contacts:
Emergency Services (Fire, Ambulance, Police) – Dial 111
National Poisons Information Centre – 0800 764 766 (0800 POISON)
Company Contact – 0800 776 9727

2. Hazard Identification

Statement of Hazardous Nature:
This product is classified as hazardous according to the criteria of the *Hazardous Substances (Hazard Classification) Notice 2020*.

Classified as a Dangerous Good according to NZS 5433.

Hazard Classification:
Aerosol category 1
Skin irritation category 2
Eye irritation category 2
Germ cell mutagenicity category 2
Carcinogenicity category 2
Hazardous to the aquatic environment chronic category 2

DANGER

Hazard Statements:
Extremely flammable aerosol.
Pressurised container: may burst if heated.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing genetic defects [naphtha component].
Suspected of causing cancer [naphtha component].
Toxic to aquatic life with long lasting effect.

Prevention Statements:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Wash hands or exposed skin thoroughly after handling.
Wear eye / face protection, protective gloves, clothing and hearing protection
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid release to the environment.

3. Composition & Information on Ingredients

Ingredient	CAS Number	Concentration (%)*
Methyl Acetate	79-20-9	20 - 40
Propane	74-98-6	10 - 20
Acetone	67-64-1	10 - 20
Naphtha, (Petroleum), Hydrotreated Light	64742-49-0	2.5 - 10
Propellant, 1,1-Difluoroethane	75-37-6	2.5 - 10
Dimethyl Ether	115-10-6	2.5 - 10
n-Heptane	142-82-5	2.5 - 10
Other components are not hazardous or are below required disclosure limits	-	Up to 100%

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

If medical advice is needed, have product container or label at hand.

New Zealand Poisons & Hazardous Chemicals National Information Centre
phone 0800 POISON – 0800 764 766

Skin: IF ON SKIN, immediately take off any contaminated clothing and wash skin with water and soap and rinse thoroughly. Wash clothing before re-use. If skin irritation or rash persists/occurs, seek medical advice/attention.

Eyes: IF IN EYES, rinse opened eye for several minutes under running water. Remove contact lenses, if present, and continue rinsing. If eye irritation persists/occurs, seek medical advice/attention.

Ingestion: IF SWALLOWED, do not induce vomiting. Rinse the mouth and lips with water and spit the fluids out. Never give anything by mouth to an unconscious person. If feeling unwell or concerned, seek medical attention.

Inhalation: IF INHALED, immediately remove person to fresh air and keep comfortable for breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if you feel unwell.

Advice to Doctor: Treat symptomatically.

5. Fire Fighting Measures

Flammability: Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Prolonged exposure to temperatures above 49°C may cause cans to burst. Vapours may travel considerable distance to a source of ignition and flash back.

Extinguishing media Use carbon dioxide, universal foam, dry chemical or water fog. Use water to cool exposed containers and structures. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous Combustion products: Carbon, sulphur and nitrogen oxides may be formed.

Fire Fighting Instructions: Firefighters should wear positive pressure, self-contained breathing apparatus and full protective clothing. Do not allow run-off from firefighting to enter drains or water courses.

6. Accidental Release Measures

Spills: Ventilate closed spaces before entering them. Ventilate area with explosion-proof equipment if natural ventilation is inadequate. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

Leaking cans should be placed in a plastic bag or open pail away from ignition sources until the pressure has dissipated. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal in accordance with section 13.

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed if a major spillage happens.

7. Handling & Storage

Safe Handling

Before use, read label carefully and follow all instruction.
Keep out of reach of children.

Keep away from sources of ignition - No smoking. Keep away from heat, open flames, hot surfaces and sparks.
Do not spray on an open flame or other ignition source.
Pressurized container:
Do not pierce or burn, even after use.

Dropping containers may cause bursting containers.
Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8.
Do NOT breathe vapours.
Use only outdoors or in a well-ventilated area.
Wash hands and any exposed skin thoroughly after handling.
Prohibit eating, drinking and smoking in work areas.

Certified Handler: Not required

Storage
Store in a well-ventilated place. Protect from sunlight.
Do not expose to temperatures exceeding 50 ºC.
Store locked up.
Ensure containers are labelled, protected from physical damage and properly sealed when not in use.
Do not store near oxidisers and acids.

8. Exposure Controls & Personal Protection

Exposure Standards

No exposure standards have been set for this product. Exposure limits for ingredients are listed below.

Workplace Exposure Standards (WES):

Ingredient	CAS Number	TWA	STEL	Note
Methyl Acetate	79-20-9	303 mg/m^3	757 mg/m^3	
Propane	74-98-6	-	-	Simple asphyxiant – may present an explosion hazard
Acetone	67-64-1	1185 mg/m^3	2375 mg/m^3	
Rubber solvent (Naphtha)	-	1600 mg/m^3	-	
Dimethyl Ether	115-10-6	766 mg/m^3	958 mg/m^3	
n-Heptane	142-82-5	1640 mg/m^3	2050 mg/m^3	Ototoxin

Data source: *Workplace Exposure Standards and Biological Indices (15th Edition, Feb 2025, WorkSafe)*

Biological Exposure Indices (BEI):

Ingredient	Determinant	Sampling Time	BEI
Acetone	Acetone in urine	End of shift	50 mg/L

Data source: *Workplace Exposure Standards and Biological Indices (15th Edition, Feb 2025, WorkSafe)*

Engineering Controls

Ventilation: Use only outdoors or in a well-ventilated area. Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. Use only explosion-proof ventilating equipment.

Personal Protection (PPE)

Wear protective gloves, impervious clothing, covered boots and eye/face protection.
Contaminated work clothing should not be allowed out of the workplace

Eyes/Face: Splash resistant safety glasses with side shields or safety goggles (AS/NZS 1337)

Skin: Use Teflon or Viton Butyl gloves. The glove material must be impermeable and resistance to the product (in accordance with AS/NZS 2161). Consult your glove supplier for specific product information.

Respiratory: In case of inadequate ventilation and exposure limits are exceeded, wear an approved respirator with organic vapour filters. Respiratory protection should comply with AS/NZS 1716 and maintained with AS/NZS 1715.

9. Physical & Chemical Properties

Appearance and Colour: Spray Aerosol, white
Odour: Solvent
Odour threshold: No data available.
pH: Not applicable.
Melting point: No data available.
Boiling point: 7ºC
Flash point: -104ºC
Flammability: Flammable
Lower Flammability Limit (LEL): No data available.
Upper Flammability Limit (UEL): No data available.
Vapour pressure: 47-67 @20°C, PSI
Vapour density: No data available.
Relative density: 0.809
Solubility (water): No data available.
Partition coefficient: n-octanol/water: No data available.
Autoignition temp: No data available.
Decomposition temp: No data available.
Viscosity (kinematic): No data available.

10. Stability & Reactivity

Stability: Stable under normal conditions of use and storage.

Reactivity: Not reactive under normal conditions of use.

Conditions to avoid: Keep away from heat, sparks, flames, and other sources of ignition.

Incompatible Materials: Oxidisers, strong acids and bases.

Hazardous decomposition products: No data available.

11. Toxicological Information

Health Effects / Symptoms of Exposure

Acute Exposure

Skin: Cause skin irritation.

Eyes: Cause serious eye irritation.

Ingestion: Ingestion may cause mucous membrane and gastrointestinal irritation and nervous system depression with symptoms of headache, dizziness, nausea, narcosis and unconsciousness.

Inhalation: Inhalation of vapours may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, nausea, vomiting, disorientation, stupor and unconscious. Severe overexposures may cause respiration depression and death.

Aspiration Hazard: Not classified.

Chronic Exposure

Respiratory or Skin sensitisation: May cause an allergic skin reaction (sensitization) with itching, redness and hives (maleic anhydride modified liquid polyisoprene component).

Mutagenicity: Naphtha component is suspect to cause genetic defects.

Carcinogenicity: Naphtha component is suspect to cause cancer.

Reproductive Toxicity: methanol component is suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (STOT): May cause damage to organs (liver and eyes) through prolonged or repeated exposure (methanol component, through oral and inhalation routes).

Toxicological Data

No data is available for this product as a whole or its ingredients.

12. Ecological Information

Persistence in environment: No data available.

Biodegradability: No data available.

Bioaccumilative: Heptane component is bioaccumulative.

Mobility in soil: No data available.

Ecotoxicological Data

No data available for this product as a whole. Data below is for individual ingredients.

n-Heptane LC_{50} (*Tilapia,* 96-hrs) = 375 mg/L
Data source: *CCID*

13. Disposal Considerations

Product is hazardous. Avoid release to the environment. Do not allow into drains, sewers or watercourses.

Bulk (unused product) or contaminated materials may be disposed of through an approved hazardous waste contractor. Disposal waste contractors must comply with the *New Zealand Hazardous Substances (Disposal) Notice 2017*.

Containers to be disposed of as hazardous waste. Do not puncture or incinerate containers, even after use.

14. Transport Information

Classified as a Dangerous Good according to NZS 5433:2020, UN Model Regulations, IATA and/or IMDG.

Proper Shipping Name: AEROSOLS, flammable
UN Number: 1950
DG Class: 2.1
Subsidiary Risk: Not applicable.

Packing Group: Not applicable.
Marine Pollutant: Not listed as Marine Pollutant.

15. Regulatory Information

HSNO Approval

All ingredients listed in the NZIoC.

HSNO Group Standard: Aerosols (Flammable, Carcinogenic) Group Standard 2020 - HSR002517

TEL or EEL: None applied to this product or its ingredients.

Certified Handler: Not required

Tracking: Not required

Controlled Substance Licence: Not required

16. Other Information

Abbreviations / Terminology:

AS/NZS	Joint Australian New Zealand Standard
AS/NZS 1337	Personal eye-protection
AS/NZS 1715	Selection, use and maintenance of respiratory protective equipment
AS/NZS 1716	Respiratory protective devices
AS/NZS 2161	Occupational protective gloves
CAS #	Chemical Abstract Service number (a unique identifier for chemicals)
CCID	New Zealand Chemical Classification and Information Database
EEL	Environmental Exposure Limits
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC_{50}	Median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50 percent of organisms.
LD_{50}	Median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50 percent of animals.
NZIoC	New Zealand Inventory of Chemicals
NZS 5433	Transport of Dangerous Goods on Land
TEL	Tolerable Exposure Limits
TWA	Time Weighted Average
STEL	Short Term Exposure Limit

Prepared with reference to:

- *Hazardous Substances (Safety Data Sheets) Notice 2017,* published by Environmental Protection Authority, New Zealand.
- *Manufacturer (Protecto Wrap Company) Safety Data Sheet, Protecto-Tak (0223_2021), posted 23/04/2025*

Revision Information:

SDS may be revised from time to time, please ensure you have a current copy.

Current version: 28 April 2025, v3

Previous revision dated: May 2019 (v1), 14 May 2020, v2

Disclaimer:

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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