

Safety Data Sheet

Section 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Citrus Degreaser Aerosol
Uses	Citrus degreaser aerosol.
Company	Integra Industries
Address	21 Glasgow St South Dunedin NZ
Telephone	+64 3 4556805
Email	sales@integraindustries.co.nz
National Poison Centre	0800 764 766 (0800 POISON)

Section 2 – HAZARDS IDENTIFICATION

Classified as hazardous according to the *Hazardous Substance (Minimum Degrees of Hazard) Notice 2017*.

EPA Classifications:

2.1.2A	Extremely flammable aerosol
6.3B	Mildly irritating to the skin
6.4A	Irritating to the eye
6.BB	Contact sensitiser
6.9B (Narc)	Harmful to human target organs or systems
9.1A	Very ecotoxic in the aquatic environment
9.2B	Ecotoxic in the soil environment

GHS Classification:

Flammable aerosol	Category 1
Skin irritation	Category 3
Eye irritation	Category 2B
Skin sensitisation	Category 1
STOT (single exposure)	Category 3
Aquatic toxicity (acute)	Category 1
Ecotoxic to soil environment	



Signal Words: Danger

Hazard Statement Codes

H222	Extremely flammable aerosol.
H316	Causes mild skin irritation.
H320	Causes eye irritation.
H336	May cause drowsiness or dizziness (narcotic)
H400	Very toxic to aquatic life.
H422	Toxic to the soil environment.

Section 3 – COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
D-Limonene	5989-27-5	30 - 60
Naphtha (petroleum) hydrotreated light	64742-49-0	30 - 60
LPG - Hydrocarbon propellant (Propane, Butane)	68476-85-7	10 - 30
Other ingredients determined to not be hazardous	-	to 100%

Section 4 – FIRST AID MEASURES

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

If exposed or concerned: Get medical advice/ attention.

Eye contact	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.
Inhalation	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Rinse mouth. Do NOT induce vomiting.
Skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.
Notes to physician	Treat symptomatically and supportively. Consider: gastric lavage with protected airway, administration of activated charcoal.

Section 5 – FIRE-FIGHTING MEASURES

General fire hazards	Pressurised extremely flammable aerosol.
Specific hazards	Containers can build up pressure if exposed to heat and/or fire and may explode. May be violently or explosively reactive. Not considered to be a significant fire risk. However vapour will burn when in contact with high temperature flame. Ignition ceases on removal of flame.
Further advice	On burning may emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion.
Extinguishing media	Powder. Foam. Water. Water spray. Carbon dioxide (CO ₂). Use water spray to cool fire-exposed containers. Do not discharge extinguishing waters into the aquatic environment.
Protective equipment	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire fighting instructions	In the event of fire, cool containers with water spray to prevent vapour pressure build up. Move containers from fire area if you can do so without risk. Runoff can cause environmental damage.
Specific methods	Use standard fire fighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.
Hazchem Code	2YE

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch or walk through spilled material. Avoid breathing gas. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
Environmental precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
Methods for cleaning up	Refer to safety data sheets and/or instructions for use. Collect spillage. Prevent entry into waterways, sewers or confined areas. Following product recovery, flush area with water.
Other issues relating to spills	Clean up in accordance with all applicable regulations.

Section 7 – HANDLING AND STORAGE

Handling Precautions	Read product label before use. Keep out of reach of children. This product is highly flammable. Do not use near open flame, or sources of ignition. Use only outdoors or in well-ventilated area. Wash hands with soap and water after handling.
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Pressurised container: Do not pierce or burn, even after use. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld or expose containers to heat, flame, sparks, or other sources of ignition.

Avoid breathing gas. Avoid contact with skin. Avoid contact with eyes. Avoid release to the environment. Do not empty into drains.

Observe good industrial hygiene practices. Wear protective gloves and eye protection in an industrial environment. Contaminated work clothing should not be allowed out of the workplace. Wash protective clothing before reuse and separate to household laundry.

Conditions for safe storage Store locked up. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not handle or store near an open flame, heat or other sources of ignition.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits No value assigned for this specific material. However, exposure standards for constituents;

Material	TWA, mg/m ³	STEL, mg/m ³
LPG (Liquefied petroleum gas)	1,800	-

Additional Information Wash hands before eating, drinking and smoking. Avoid breathing vapours/spray. In case of inadequate ventilation, wear respiratory protection.

Engineering Controls No controls required when handling small quantities. Use with adequate ventilation.

Larger quantities: General exhaust is adequate under normal operating conditions. Ventilation equipment should be explosion-resistant.

Protective Equipment Gloves, safety glasses or chemical goggles are recommended in an industrial environment. If TWA is exceeded, wear an approved respirator with a type A filter.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state Volatile liquid with a citrus odour.

pH Not applicable.

Vapour Density > 1 (Air =1)

Vapour Pressure, kPa 300 - 600

Boiling Point, °C Not applicable.

Specific Gravity Not applicable.

Flash Point, °C None

Explosion Limit, % v/v LEL 12% UEL 23%

Autoignition Temp, °C Not applicable.

Solubility Immiscible in water.

Section 10 – STABILITY AND REACTIVITY

Stability Stable under normal conditions of use and storage. Not reactive. Avoid oxidisers. Avoid elevated temperatures.

Section 11 – TOXICOLOGICAL INFORMATION

Basis for Assessment Information given is based on product testing, and/or similar products, and/or components.

Acute Oral Toxicity LD₅₀ estimated to be about 1,220 mg/kg, Rat (based on component mixture).

Acute Dermal Toxicity LD₅₀ estimated to be about 3,250 mg/kg, Rat (based on component mixture).

Acute Inhalation Toxicity LC₅₀ estimated to be about 13 mg/L, Rat 4 hour (based on component mixture). High concentrations of vapour may cause central nervous system depression resulting in headaches, dizziness and nausea.

Skin Irritation May cause mild skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

Eye Irritation Vapours may be irritating to the eye.

Respiratory Irritation	Inhalation of vapours or mists may cause irritation to the respiratory system.
Sensitisation	May be a sensitiser.
Repeated Dose Toxicity	Central nervous system: repeated exposure affects the nervous system. May cause damage to organs. Prolonged contact with product may result in irritant contact dermatitis.
Additional Information	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.


Section 12 – ECOTOXICITY INFORMATION

Ecotoxicity	Harmful to aquatic and soil environments.
Mobility	High mobility.
Persistence/degradability	Low. More volatile components expected to degrade in air.
Bioaccumulation	Not determined.

Section 13 – DISPOSAL CONSIDERATIONS

Material Disposal	Product wastes are considered ecotoxic and should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water. Large quantities should be degassed by an aerosol recycler. Do not dispose of large quantities of pressurised aerosols in landfills. Incineration by an authorised company is suggested.
Container Disposal:	Recycle empty container if possible. Product containers are also considered wastes of the same class of the contents and should be disposed of in accordance with applicable regulations.

Section 14 – TRANSPORT INFORMATION

Transport	Classified as a dangerous goods according to the NZ Land Transport Rule for road and rail, IMDG for sea, IATA for air.
Proper Shipping Name	Aerosols
UN Number	1950
Dangerous Goods Class	2.1
Labels Required	Class 2 flammable gas 
Subsidiary Risk	Not Applicable
Packing Group	Not applicable
Marine Pollutant	Marine pollutant
EMS Number	F-D, S-U
DG Segregation:	This product is classified as a Dangerous Goods. Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

Section 15 – REGULATORY INFORMATION

Inventory Listing:	All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) and Australian NICNAS AICS.
Regulatory information specific for the substance or mixture	
This substance is to be managed using the conditions specified in an applicable Group Standard.	
Group Standard	HSR002515 Aerosols (Flammable) Group Standard 2017
EPA Hsno Controls:	Refer to www.epa.govt.nz for information on Controls.

Section 16 – OTHER INFORMATION

Additional information Health Effects from Exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations	AICS	Australian Inventory of Chemical Substances
	ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail
	CAS	Chemical Abstract Service number
	EMS	Emergency Response Procedures for Ships Carrying Dangerous Goods
	EPA	Environmental Protection Agency (New Zealand)
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	IATA	International Air Transport Association
	IMDG	International Maritime Dangerous Goods
	LC ₅₀	Lethal Concentration, 50% / Median Lethal Concentration
	LD ₅₀	Lethal Dose, 50% / Median Lethal Dose
	LEL	Lower Explosion Limit
	mg/m ³	Milligrams per Cubic Metre
	NICNAS	National Industrial Chemicals Notification and Assessment Scheme (Australia)
	NZIoC	New Zealand Inventory of Chemicals
	N.O.S.	Not otherwise specified
	OEL	Occupational Exposure Limit
	PEL	Permissible Exposure Limit
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	TLV	Threshold Limit Value
	TWA	Time Weighted Average
	UEL	Upper Explosion Limit

This MSDS summarises our best knowledge of the health and safety hazard information. Since we cannot control the conditions under which the product may be used, each user must review this MSDS in the context of how the user intends to use the product.

End of msds.