SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	**AHD Fadeaway 5L, 20L**
Product Code:	NA
Uses:	A scourable spray-on dye for marking sheep / livestock
Company:	Animal Health Direct Ltd
Address:	1229 Maraekakaho Road
	Hastings 4175
	New Zealand
Telephone:	+64 6 873 3611
Email:	info@ahdltd.co.nz
Emergency Number 24 hr:	0800 764 766 (0800 POISON) NZ National Poison Centre,
	Or CHEMCAL 0800-2433-622 24 hr emergencies only

Section 2: HAZARDS IDENTIFICATION

Classification of the product

Considered a hazardous substance according to the Hazardous Substance (Minimum Degrees of Hazard) Regulations NZ.
Classified as a dangerous goods for transport purposes.

GHS Classifications:

Flammable Liquids Category 2
Aspiration hazard Category 1
Eye Irritation Category 2
Aquatic toxicity (Chronic) Category 2

HSNO Classifications:

3.1B	Flammable Liquids: high hazard
6.1E	Acutely toxic (Aspiration hazard, may be fatal)
6.4A	Irritating to the eye
9.1B	Ecotoxic in the aquatic environment with long lasting effects

Signal Words: Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	May cause serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Section 3: COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
Heptanes	64742-49-0	30 - 60
Aliphatic Hydrocarbon Solvent	64742-48-9	30 - 60
2-Propanol	67-63-0	< 10
Non-hazardous Ingredients	-	to 100

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Section 4: FIRST AID MEASURES

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

If exposed or if you feel unwell: Call a POISON CENTRE or doctor.

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.

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. Do NOT induce vomiting. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

Skin contact: IF ON SKIN: Remove contaminated clothing. Wash with plenty of soap and water. Direct contact may cause irritation in sensitive individuals. If skin irritation occurs: Get medical advice.

Notes to physician: Treat symptomatically and supportively. No specific antidote.

Section 5: FIRE-FIGHTING MEASURES

Specific hazards: Containers can rupture if exposed to heat and/or fire. Vapours may form an explosive mixture with air. Vapours can travel to a source of ignition and flash back. May float and be re-ignited on surface water.

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. Use water spray to keep fire-exposed containers cool.

Extinguishing media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

For large fires, use water spray, fog, or foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do not discharge extinguishing waters into the aquatic environment.

Hazchem Code: 3YE

Section 6: ACCIDENTAL RELEASE MEASURES

Minor spills: Clean up all spills immediately. Remove all sources of ignition. If safe to do so, damaged containers should be placed in a container outdoors, away from all ignition sources. Provide ventilation.

Major spills: Evacuate the spill area. Call the Fire Brigade. Remove all sources of ignition. If safe to do so, prevent spillage from entering drains or water courses. If material enters drains, advise emergency services. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers for disposal. Wash area down with excess water.

Section 7: HANDLING AND STORAGE

Handling Precautions: Read product label before use. Keep out of reach of children.

This product is flammable. Keep away from heat and open flames/hot surfaces. No smoking. Do not use near an open flame or other ignition source.

Use outdoors or in well-ventilated area. Avoid breathing vapour. Avoid release to the environment. Wash hands with soap and water after handling.

Storage: Protect from sunlight. Store in a well ventilated, cool, dry place. Keep away from heat, sparks, and flame. Keep container tightly closed. Store locked up.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No value assigned for product. Exposure standards for constituents (NZ WES);

Material	TWA, mg/m^3	STEL, mg/m^3
Heptanes	1,640	2,050
Aliphatic Hydrocarbon Solvent	1,200	-
2-Propanol	982	1,230

Additional Information: Wash hands before eating, drinking and smoking.

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

Larger quantities: General exhaust is adequate under normal operating conditions. Ventilation, lighting and electrical equipment should be explosion-resistant. Use only non-sparking tools. Take precautionary measures against static discharge.

Protective Equipment: Gloves, safety glasses or chemical goggles and protective gloves are recommended. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Coloured, viscous liquid.

pH: Not applicable.

Vapour Density: > 1 (Air =1)

Vapour Pressure, kPa: Not available.

Boiling Point, °C: About 90

Melting Point, °C: Not applicable.

Specific Gravity: About 0.75

Flash Point, °C: - 15

Explosion Limit, % v/v: **LEL** 1% **UEL** 7%

Autoignition Temp, °C: Not available.

Solubility: Not soluble in water.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use. 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: LD_{50} of mixture calculated to be > 5000 mg/kg, Rat. May be harmful if swallowed.

Acute Dermal Toxicity: LD_{50} of mixture calculated to be > 5000 mg/kg, Rabbit.

Acute Inhalation Toxicity: LC_{50} estimated to be > 20 mg/L, Rat 4 hour.

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

Eye Irritation: Vapours may be irritating to the eye. Contact with eyes is irritating causing short term discomfort. Splashes may cause more serious irritation, particularly if wearing soft contacts.

Respiratory Irritation: Inhalation of vapour may cause irritation to the nose and throat. The inhalation of large quantities will result in moderate discomfort. Symptoms of over-exposure can include dizziness, nausea, headaches and other central nervous system effects.

Sensitisation: Not expected to be a sensitiser.

Repeated Dose Toxicity: Central nervous system: repeated exposure may affect the nervous system. Prolonged contact with product may result in irritant contact dermatitis.

Mutagenicity: Not expected to be mutagenic.

Carcinogenicity: Not expected to be carcinogenic.

Reproductive toxicity: Not expected to be toxic.

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: Toxic to aquatic life with long lasting effects.

Mobility: Mainly volatile in air and will evaporate to the air if released into water.

Persistence/degradability: Not expected to be biodegradable.

Bioaccumulation: May bioaccumulate.

Section 13: DISPOSAL CONSIDERATIONS

Material Disposal: Product wastes should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in landfill, in drains or in water courses. Large quantities should be handled by a suitable disposal facility. Incineration in an authorised facility is suggested.

Container Disposal: Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry. Recycle empty container in an approved recycling stream or through a suitable disposal facility.

Section 14: TRANSPORT INFORMATION

Transport: Classified as a Dangerous Good for transport purposes.

Proper Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish liquid filler and liquid lacquer base)

UN Number: 1263

Dangerous Goods Class: 3

Packing Group: II

Transport Labels Required: Class 3 Flammable (Land, Sea and Air)

Subsidiary Risk: Not applicable

Marine Pollutant: Yes

EMS Number F-E, S-D

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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)

EPA Approval Number: HSR002662

EPA Hsno Controls: Refer to www.epa.govt.nz for information on Controls.

This substance is to be managed using the conditions specified in an applicable Group Standard.

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		
	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 SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Chemz Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact their Chemz representative or Chemz Limited at the contact details on page 1. Chemz Limited's responsibility for the material as sold is subject to the terms and conditions of sale.

End of sds.