



SAFETY DATA SHEET

Revised 09/02/2009

Product:	Skunkshot Scatter
Company:	Connovation Limited
Address:	36B Sir William Avenue East Tamaki Manukau 2013 New Zealand
Telephone:	+64 9 273 4333
Fax:	+64 9 273 4334
Website:	www.connovation.co.nz
Emergency Telephone:	+64 0800-764-766
National Poisons Centre:	+64 3 479-7248

Chemical Identification

Common Name	IUPAC Name	C.A.S Number	Empirical Formula	Molecular Weight	UN Class	UN Number
Butane thiol	n-butane thiol	109-79-5	C ₄ H ₁₀ S	90	3	2347
Isoamyl Mercaptan	3-methyl-1 butane thiol	541-31-1	C ₅ H ₁₂ S	104	3	3336
Crotyl Mercaptan	trans-but-2-ene-1-thiol	58688-79-2	C ₄ H ₈ S	88	3	3336
Zeolite	N/A	12173-10-3	(Ca,Fe,K,Mg,Na) ₃ ₆ Si ₃₀ Al ₆ O ₇₂ ·2 4H ₂ O		N/A	N/A

Chemical Properties

	n-butane thiol	3-methyl-1 butane thiol	trans-but-2-ene-1-thiol	Zeolite
Colour	Clear	Clear	Clear	Clear
Physical State	Liquid	Liquid	Liquid	Gel
Boiling Point	98C	117-118C	92-94C	343C
Specific Gravity	0.842	0.835	0.85	
Flash Point	12C	18C	32C	199C
Hazardous Decomposition Compounds	Carbon monoxide Hydrogen sulfide (g) Sulfur oxides	Carbon monoxide Hydrogen sulfide (g) Sulfur oxides	Carbon monoxide Hydrogen sulfide (g) Sulfur oxides	Not Specified

Product Details			
IUPAC Name	C.A.S Number	Formulation conc	Purpose
n-butane thiol	109-79-5	L	Repellent odour
3-methyl-1 butane thiol	541-31-1	L*	Repellent odour
trans-but-2-ene-1-thiol	58688-79-2	L*	Repellent odour
Zeolite (Clinoptilite)	12173-10-3	H	Carrier

H>60% M= 10-60% L=<10% *<5%

Health Hazard Information

Hazard Identification

The plastic bottles used for this packaging can withstand normal wear and tear but can be damaged if forced against a sharp object. The odour released will immediately alert people that a container has been damaged and the contents exposed. The contents are offensive in odour and in isolated cases the odour may cause some irritation to the mucous membranes. The zeolite carrier is a powder which could cause irritation to the eyes and mucous membranes. Packaging consists of a plastic bottle inside a larger plastic bottle principally designed to minimise odor discharge, but also makes breakage unlikely under normal handling conditions.

Potential Health Effects

	Effects	Treatment
Powder in Eye (Direct discharge)	Slight irritation is likely, and the zeolite powder can cause mechanical irritation, which may result in redness, itching and lachrymation.	Flood the eye gently with water for approximately 15 minutes. If irritation continues seek medical advice.
Powder on skin (Direct discharge)	Zeolite may cause mechanical irritation in contact with skin. Highly susceptible people may suffer slight skin irritation from the mercaptans, however this is unlikely.	Remove contaminated clothing. Gently wash the affected area with warm soapy water and dry. Wash contaminated clothing before re-use. Repeated washes may be required to remove the skunk odour. If irritation develops seek medical attention.
Inhalation	Inhalation of the dust may cause irritation of the mucous membranes and upper airways. Symptoms can include sneezing, coughing and breathing difficulties.	Remove victim to fresh air. Have victim blow nose to remove excess dust. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If irritation develops and persists seek medical advice.

Precautions for Use

Ensure the product is used outdoors. Avoid contact with skin and eyes. Keep the container away from the body when applying the product and ensure that the wind is not blowing toward the applicator. Keep out of reach of children.

Safe Handling Information

Road/Rail:	Safe to handle and transport.
Sea:	Safe to handle and transport.
Air:	Safe to handle and transport.
Storage:	Keep out of reach of children. Store in a cool dark place out of direct sunlight.
Spill Control:	Ventilate the area. Isolate leaking containers by removing outdoors. The powder can be scooped up and placed in a airtight container to contain the odor. The sealed container can then be disposed of at a landfill.
Disposal of Empty Containers:	Bottles can be disposed in suitable landfills in accordance with local regulations. Do not burn bottles even when empty.
Environmental Impact:	Not expected to cause any adverse environmental impacts because of its low use rate and low toxicity.
Fire/Explosion:	The zeolite carrier is not combustible and the product is stable.
Decomposition Products:	Carbon monoxide, Hydrogen sulfide, Sulfur oxides
Firefighting Procedures:	Fight fire from maximum distance or protected area. Keep containers cool with water spray. Use water spray to disperse vapor. Protect personnel against bursting containers. Breathing apparatus is recommended for firefighters.
Extinguishing Media:	Foam, CO2 Dry Chemical or water Fog. Do not use water jet.

The information contained is given in good faith. No warranty, expressed or implied is made. Any use of this data and information must be determined by the user to be in accordance with applicable Government laws and regulations.