

## Section 1 - Identification of The Material and Supplier

Ensystem South Africa (Pty) Ltd  
Building 3, The Burns Business Park  
12A Jet Park Road, Jet Park  
Boksburg GAUTENG  
Tel: 080 367 9783

**Chemical nature:** Highly attractive spray for Rodent Management Programs

**Trade Name:** **NARA Spray**

**Product Use:** Non-toxic spray to lure rodents

**Creation Date:** **February 2018**

**This version issued:** **January 2022** and is valid for 5 years from this date.

## Section 2 - Hazards Identification

**Risk Phrases:** R12 Extremely flammable

**SUSMP Classification:** None allocated.

**ADG Classification:** Classified as a dangerous good according to Australian Dangerous Goods (ADG) Code.

**UN Number:** UN1950



**GHS Signal word: DANGER**

### HAZARD STATEMENT:

H222: Extremely flammable aerosol

H229: Pressurised container: May burst if heated.

### PREVENTION

P210: Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Pressurized container: Do not pierce or burn, even after use.

P260: Do not breathe dust, fume, gas, mist, vapours or spray.

### STORAGE

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

### DISPOSAL

P501: Dispose of contents/container to waste collection point, in accordance with local/national regulations.

## Emergency Overview

**Physical Description & colour:** Liquid.

**Odour:** Characteristic odour.

**Major Health Hazards:** None.

## Potential Health Effects

### Inhalation:

**Short term exposure:** No data available.

**Long Term exposure:** No data for health effects associated with long term inhalation

### Skin Contact:

**Short term exposure:** No irritant effect.

**Long Term exposure:** No data for health effects associated with long term skin exposure

## SAFETY DATA SHEET

**Eye Contact:****Short term exposure:** No irritant effect.**Long Term exposure:** No data for health effects associated with long term eye exposure.**Ingestion:****Short term exposure:** No data available.**Long Term exposure:** No data for health effects associated with long term ingestion.**Carcinogen Status:****SWA:** No significant ingredient is classified as carcinogenic by SWA.**NTP:** No significant ingredient is classified as carcinogenic by NTP.**IARC:** No significant ingredient is classified as carcinogenic by IARC.**Section 3 - Composition/Information on Ingredients**

Ingredients	CAS No	Conc,%	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
n-Butane	106-97-8	15 - 30	not set	not set
Propane	74-98-6	5 - 15	not set	not set
Other non hazardous food ingredients		to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

**Section 4 - First Aid Measures****General Information:**

In case of human or animal poisoning, call the Griffon Poison Centre 082-446-8946 (24 hr service). Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. Sit upright and take to the fresh air. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** First aid is not generally required. Irritation is unlikely. Rinse first with plenty of water. If in doubt, seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do not induce vomiting, wash mouth with water and contact a Poisons Information Centre, or call a doctor.

**Section 5 - Fire Fighting Measures**

**Fire and Explosion Hazards:** This product is classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Fire-fighter should take care and appropriate precautions. Aerosol cans may explode at temperature > 50 °C.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** In case of fire, use carbon dioxide, powder, foam or water spray.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Section 6 - Accidental Release Measures**

**Accidental release:** This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, do not walk on spilled substance or touch and avoid inhalation of fumes, smoke, dust and vapours by staying on the windward side. Do not discharge into the subsoil/soil. Absorb with absorbent material. Take off contaminated clothing and used contaminated protective equipment and dispose of safely. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

**SAFETY DATA SHEET**

## Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.

**Storage:** Store in the closed original container in a cool, frost-free, well-ventilated area out of direct sunlight. Make sure that surrounding electrical devices and switches are suitable. Check containers and valves periodically for leaks. If you keep more than 25 kg of flammable gases, you are probably required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Do not expose to temperature above 50 °C

## Section 8 - Exposure Controls and Personal Protection

Avoid contact by ingestion, inhalation, skin or eyes. With prolonged, regular use, wear splash proof goggles and rubber or PVC gloves.

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

## Section 9 - Physical and Chemical Properties

<b>Physical Description &amp; colour:</b>	Liquid.
<b>Odour:</b>	Characteristic odour.
<b>Boiling Point:</b>	- 42 °C (applies for propellant)
<b>Freezing/Melting Point:</b>	Not determined
<b>Flash point:</b>	No data
<b>Vapour Pressure:</b>	853000 Pa at 20 °C
<b>Vapour Density:</b>	No data
<b>Specific Gravity:</b>	No data
<b>Water Solubility:</b>	Not miscible
<b>Density:</b>	approx. 0.790 kg/L at 20 °C
<b>Coeff Oil/water distribution:</b>	No data available
<b>Viscosity:</b>	Dynamic: 50 mPa*s, Kinematic: 63 mm <sup>2</sup> /s
<b>Autoignition temp:</b>	No data available
<b>VOC:</b>	216,888 g/L

## Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions.

**Conditions to Avoid:** Protect this product from sunlight and temperature above 50 °C. Keep containers and surrounding areas well ventilated. Keep away from sources of sparks or ignition. Any electrical equipment in the area of this product should be flame proofed.

**Incompatibilities:** Do not store near sources of ignition.

**Fire Decomposition:** No dangerous decomposition products know.

**Polymerisation:** This product will not undergo polymerisation process.

## Section 11 - Toxicological Information

### Toxicity data:

n-Butane (<0.01% 1,3-Butadiene)

LD <sub>50</sub> (oral):	≥ 5000 mg/kg (rat)
LD <sub>50</sub> (dermal):	≥ 5000 mg/kg (rabbit)
LD <sub>50</sub> (inhalation):	≥ 50 mg/L/4h (rat)

Propane

LD <sub>50</sub> (oral):	≥ 5000 mg/kg (rat)
LD <sub>50</sub> (dermal):	≥ 5000 mg/kg (rabbit)
LD <sub>50</sub> (inhalation):	≥ 50 mg/L/4h (rat)

This product does not contain any allergens and is considered non-toxic.

## SAFETY DATA SHEET

## Classification of Hazardous Ingredients

### Ingredient

### Risk Phrases

No ingredient mentioned in the HSIS Database is present.

## Section 12 - Ecological Information

**Environment:** Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

## Section 13 - Disposal Considerations

**Disposal:** Dispose of small quantities and empty containers in a safe manner in accordance with local/national regulations. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

## Section 14 - Transport Information

**ADG Code:** This product is classified as a Dangerous Good by ADG.

UN number:	UN1950
UN proper shipping name:	Aerosols, flammable, 5F, (D)
DG class:	None allocated
Subsidiary risk(s):	None allocated
Pkg group:	None allocated
Environmentally hazardous:	Not dangerous for the environment

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

**Poison schedule:** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

## Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

If there is any conflict between this SDS and the registered label, instructions on the label prevail.

### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

## SAFETY DATA SHEET