

# Sakarot Rodent Barrier Metal



## Detectable Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained in UK law by UK REACH SI 2019 No. 758 as amended

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Sakarot Rodent Barrier Metal Detectable

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Use for sealing gaps, holes, cracks, and crevices to prevent ingress by rodents.

**Uses advised against:** Not to be used other than as identified.

#### 1.3. Details of the supplier of the safety data sheet

**Address:** Killgerm Chemicals Ltd, Wakefield Road, Ossett, WF5 9AJ

**Tel:** +44 (0)1924 268 450

**Fax:** +44 (0)1924 265 033

**Email:** technical@killgerm.com

#### 1.4. Emergency telephone number

Medical professionals should use National Poisons Information Service Tel: 0870 600 6266.

Non-medical professionals should seek information by contacting NHS by dialling 111.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 [CLP]

Not Classified.

#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

**EUH208:** Contains 3-(2-Aminoethylamino)propyltriethoxysilane(5089-72-5), N-(3-(trimethoxysilyl)propyl)ethylenediamine(1760-24-3), Trimethoxyvinylsilane(2768-02-7), Trimethoxyvinylsilane(2768-02-7). May produce an allergic reaction.

**EUH210:** Safety data sheet available on request.

#### 2.3. Other hazards

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	3-(2-Aminoethylamino)propyltriethoxysilane (5089-72-5), N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3), Trimethoxyvinylsilane (2768-02-7)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	

Results of Endocrine Disruptor assessment

Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP.

Trimethoxyvinylsilane(2768-02-7), 3-(2-Aminoethylamino)propyltriethoxysilane(5089-72-5), N-(3-(trimethoxysilyl)propyl)ethylenediamine(1760-24-3)

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Hazardous Components in Product

Ingredient Name & Identifier	Concentration (%)	Classification
Trimethoxyvinylsilane CAS-No.: 2768-02-7 EC-No.: 220-449-8	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1B, H317
3-(2-Aminoethylamino)propyltriethoxysilane CAS-No.: 5089-72-5 EC-No.: 225-806-1	< 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317

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N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS-No.: 1760-24-3 EC-No.: 217-164-6	< 0.5	Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335
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Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General:</b>	If you feel unwell, seek medical advice.
<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin contact:</b>	Wash skin with plenty of water.
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	Call a poison center or a doctor if you feel unwell.
<b>Self protection of the first-aider:</b>	First aid workers will be equipped with suitable personal protective equipment.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation:</b>	None under normal conditions.
<b>Skin contact:</b>	None under normal conditions.
<b>Eye contact:</b>	None under normal conditions.
<b>Ingestion:</b>	None under normal conditions.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing agents:** Water spray. Dry powder. Foam. Carbon dioxide.

**Unsuitable agents:** Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No fire hazard or direct explosion hazard.

Hazardous decomposition products in case of fire: Toxic fumes may be released.

#### 5.3. Advice for firefighters

<b>Firefighting instructions:</b>	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
<b>Protection during firefighting:</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

**General** - Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

##### For non-emergency personnel:

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area.

##### For emergency responders:

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

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### 6.3. Methods and material for containment and cleaning up

- For containment** : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up** : Take up liquid spill into absorbent material.
- Other information** : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, well-ventilated place away from heat. Protect from sunlight. Store always product in container of same material as original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

**Appropriate engineering controls:** Ensure good ventilation of the work station.

**Personal protective equipment symbol(s):**



PPE	Item in use	Spillage
<b>Respiratory protection:</b>	In case of insufficient ventilation, wear suitable respiratory equipment	
<b>Eye protection:</b>	Safety glasses EN 166 34	
<b>Skin and body protection:</b>	Wear suitable protective clothing	
<b>Hand protection:</b>	Protective gloves	

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State:	Liquid
Appearance	Paste
Colour:	Translucent with metal shards
Odour:	Not available
Melting point/Freezing point:	Not available
Boiling point or initial boiling point and boiling range:	Not available
Flammability:	Not available
Lower and upper explosion limit:	Not available

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Flash point:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
pH:	Not available
Viscosity:	Not available
Solubility:	Not available
Partition coefficient n-octanol/water (log value):	Not available
Vapour pressure:	Not available
Density and/or relative density:	1.057 g/cm <sup>3</sup>
Relative vapour density:	Not available
Particle characteristics:	Not available

### 9.2 Other Information

Oxidising properties:	Not available
Explosive properties:	Not available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

**(a) Acute toxicity;** Based on data available classification criteria not met.

**Data for ingredients:**

<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)</b>	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	1.49 – 2.44 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity), Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

**(b) Skin corrosion/irritation;** Not classified. Based on data available classification criteria not met.

**(c) Serious eye damage/irritation;** Not classified. Based on data available classification criteria not met.

**(d) Respiratory or skin sensitisation;** Results based on in vivo studies on laboratory animals determined that Trimethoxyvinylsilane (VTMO) has been classified for skin sensitization category 1B (H317) under Annex VI to Regulation (EC) No 1272/2008. Evidence acquired from testing conducted on the materials we use in our products has demonstrated that no allergic reactions have been reported after occupational exposure in VTMO mixtures of up to 5%. Due to lack of evidence of any sensitizing potential at this concentration or less, this product has not been classified as H317 1B as determined by expert judgement.

**(e) Germ cell mutagenicity;** Not classified. Based on data available classification criteria not met.

**(f) Carcinogenicity;** Not classified. Based on data available classification criteria not met.

**(g) Reproductive toxicity;** Not classified. Based on data available classification criteria not met.

**(h) STOT-single exposure;** Not classified. Based on data available classification criteria not met.

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(i) **STOT-repeated exposure**; Based on data available classification criteria not met.

### Data for ingredients:

<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)</b>	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 1545 mg/kg bodyweight Animal: rat
<b>Trimethoxyvinylsilane (2768-02-7)</b>	
NOAEL (oral, rat, 90 days)	62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

(j) **Aspiration hazard**; Not classified. Based on data available classification criteria not met.

### Data for ingredients:

<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)</b>	
Viscosity, kinematic	5.825 mm <sup>2</sup> /s
<b>Trimethoxyvinylsilane (2768-02-7)</b>	
Viscosity, kinematic	0.7 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)</b>	
LC50 - Fish [1]	597 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	81 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	126 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	352 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
<b>Trimethoxyvinylsilane (2768-02-7)</b>	
LC50 - Fish [1]	> 92.2 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	168.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 957 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	52.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	28.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

### 12.2. Persistence and degradability

Not rapidly degradable

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

The finished product and all ingredients do not meet the PBT criteria of UK REACH regulation, annex XIII

The finished product and all ingredients do not meet the vPvB criteria of UK REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available.

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### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal of unused product, empty containers and contaminated packaging must be made in accordance with the local law. For information on disposal in the UK contact the environment agency ([www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)) or SEPA ([www.sepa.org.uk](http://www.sepa.org.uk)). Dispose of unused product in the original container as hazardous waste. Empty containers and contaminated PPE should be considered hazardous and disposed of appropriately.

Suggested European waste code 20 01 19.

## SECTION 14: Transport information

### 14.1. UN number or ID number

Not applicable.

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es).

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **UK REACH Annex XVII (Restriction List)**

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

#### **UK REACH Annex XIV (Authorisation List)**

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

#### **UK REACH Candidate List (SVHC)**

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC) above the 0.1% level of disclosure

#### **GB PIC regulation (Prior Informed Consent)**

This product contains substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure (Dioctyltin oxide - 870-08-6, Annex I Part 1)

#### **POP Regulation (Persistent Organic Pollutants)**

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

#### **Ozone Regulation (S.I. No. 168 of 2015)**

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

#### **Control of Poisons and Explosives Precursors Act**

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

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This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

### Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

Use only in accordance with label instructions. Operatives using this product should be trained in its use.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

### Ingredient classification data:

Skin Irrit. 2	H315: Causes skin irritation
Skin Sens. 1B	H317: May cause an allergic skin reaction.
Eye Dam. 1	H318: Causes serious eye damage.
Flam. Liq. 3	H226: Flammable liquid and vapour.
Acute Tox. 4 (Inhalation)	H332: Harmful if inhaled.
EUH208	Contains 3-(2-Aminoethylamino)propyltriethoxysilane(5089-72-5), Trimethoxyvinylsilane(2768-02-7), Trimethoxyvinylsilane(2768-02-7). May produce an allergic reaction.

Issue number (date)	Section amended
Issue 1 (March 2026)	First creation – new formulation.

### This safety data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.