

Rat Maxx

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : Rat Maxx
Product code : -

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

1.2.1. Rat Maxx Powerful Rodent Repellent Spray

1.3. Details of the supplier of the safety data sheet

ZYAX CHEM PVT LTD
3rd Floor, Kamer Building,
38 Cawasji Patel Street, Fort,
Mumbai - 400001, India.
Contact No: +91 8779240420
info@zyax.in - www.zyax.in

1.4. Emergency telephone number

Emergency number : +91 22 2757 3899

SECTION 2: HAZARDS IDENTIFICATION

Classification

Skin sensitization Category 1

GHS Label elements, including precautionary statements

Hazard statements : May cause an allergic skin reaction



:

: WARNING

Precautionary Statements - Prevention : Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing must not be allowed out of the workplace Wear protective gloves

Precautionary Statements - Response : Specific treatment (see supplemental first aid instructions on this label)

Skin : IF ON SKIN: Wash with plenty of water and soap If skin irritation or rash occurs:
Get medical advice/attention Wash contaminated clothing before reuse

Precautionary Statements - Disposal : Dispose of contents/container to an approved waste disposal plant



Rat Maxx

Safety Data Sheet

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight Percent
Oils, peppermint	8006-90-4	0.5
Citronella oil	8000-29-1	0.25

SECTION 4: FIRST AID MEASURES

First aid measures

General advice Inhalation

: Show this safety data sheet to the doctor in attendance.
Remove to fresh air.

Eye contact

: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

: Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Ingestion

: Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms

: Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians

: May cause sensitization in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

Suitable Extinguishing Media

: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

: Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous Combustion Products

: Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact

: None.

Sensitivity to Static Discharge

: None.

Special protective equipment for fire-fighters

: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Methods and material for containment and cleaning up

Methods for containment : Prevent further leakage or spillage if safe to do so.

Methods for cleaning up : Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions : Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Limits : This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls : Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection : Wear safety glasses with side shields (or goggles).

Hand protection : Wear suitable gloves.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations : Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical and Chemical Properties

Physical state	: Liquid
Appearance	: Yellow colored solution
Odor	: Cinnamon
Color	: No information available
Odor Threshold	: No data available

Property	Values	Remarks	Method
pH	No data available	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air	No data available	None known	
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Relative density	No data available	None known	
Water Solubility	No data available		
Solubility(ies)	No data available	None known	
Partition coefficient: n-octanol/water	Not Applicable		
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Other Information	No data available		
Explosive properties	No data available		
Oxidizing properties	No data available		
Softening Point	No data available		
Molecular Weight	No data available		
VOC Content (%)	No data available		
Liquid Density	No data available		
Bulk Density	No data available		
Particle Size	No data available		
Particle Size Distribution	No data available		

SECTION 10: STABILITY AND REACTIVITY

Reactivity	: No information available.
Chemical Stability	: Stable under normal conditions.
Possibility of Hazardous Reactions	: None under normal processing.
Hazardous Polymerization	: Hazardous polymerization does not occur.
Conditions to avoid	: None known based on information supplied.
Incompatible materials	: None known based on information supplied.



Hazardous Decomposition Products Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on likely routes of exposure

Product Information

Inhalation	: Specific test data for the substance or mixture is not available.
Eye contact	: Specific test data for the substance or mixture is not available.
Skin contact	: Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	: Specific test data for the substance or mixture is not available.

Information on toxicological effects

Symptoms : Itching. Rashes. Hives.

Numerical measures of toxicity

Acute Toxicity

Unknown acute toxicity

87.65 % of the mixture consists of ingredient(s) of unknown toxicity

87.65 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

87.65 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

87.65 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

87.65 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

87.65 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Oils, peppermint	= 2426 mg/kg (Rat)	-	-
Citronella oil	= 7200 mg/kg (Rat)	= 4700 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	: No information available.
Respiratory or skin sensitization	: May cause sensitization by skin contact.
Germ cell mutagenicity	: No information available.
Carcinogenicity	: No information available.
Reproductive toxicity	: No information available.
STOT - single exposure	: No information available.
STOT - repeated exposure	: No information available.
Aspiration hazard	: No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	: The environmental impact of this product has not been fully investigated.
Persistence and Degradability	: No information available.
Bioaccumulation	: There is no data for this product.
Mobility	: No information available.
Other adverse effects	: No information available.



SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products : Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging : Do not reuse empty containers.

SECTION 14: TRANSPORT INFORMATION

DOT : Not regulated

Proper Shipping Name : Not regulated

Hazard Class : N/A

TDG : Not regulated

MEX : Not regulated

ICAO : Not regulated

IATA : Not regulated

Proper Shipping Name : Not regulated

Hazard Class : N/A

IMDG/IMO : Not regulated

Hazard Class : N/A

RID : Not regulated

ADR : Not regulated

ADN : Not regulated

SECTION 15: REGULATORY INFORMATION

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

International Regulations

Ozone-depleting substances (ODS) : Not applicable

Persistent Organic Pollutants : Not applicable

Export Notification requirements : Not applicable

International Inventories

TSCA : Contact supplier for inventory compliance status.

DSL/NDSL : Contact supplier for inventory compliance status.

EINECS/ELINCS : Contact supplier for inventory compliance status.

ENCS : Contact supplier for inventory compliance status.

KECL : Contact supplier for inventory compliance status.

PICCS : Contact supplier for inventory compliance status.

AICS : Contact supplier for inventory compliance status.

Legend

TSCA : United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL : Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS : European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS : Japan Existing and New Chemical Substances

KECL : Korean Existing and Evaluated Chemical Substances

PICCS : Philippines Inventory of Chemicals and Chemical Substances

AICS : Australian Inventory of Chemical Substances



Rat Maxx

Safety Data Sheet

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Acute Health Hazard	: Yes
Chronic Health Hazard	: No
Fire Hazard	: No
Sudden release of pressure hazard	: No
Reactive Hazard	: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances above threshold limits that are regulated by state right-to-know.

SECTION 16: OTHER INFORMATION

The information given is based on our knowledge of this product at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the products for purposes other than those it is intended for. It is the sole responsibility of the user to take all precautions required in handling the product. We as manufacturer give the guarantee for the quality of the product.