

ESD12101 NuTone Haven Repellent Cartridge

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: ESD 12101 NuTone Haven Repellent Cartridge
EPA Registration Number: 1021-2618-90291

Other means of identification

Part Code: 3095

Recommended use of the chemical and restrictions on use:

Recommended Use: Insecticide

Details of the supplier of the safety data sheet

DISTRIBUTOR

Broan-NuTone LLC
 926 W. State Street
 Hartford, WI 53027
Customer Service: 1 (888) 336-3948
Technical Support: 1 (888) 336-6151

MANUFACTURER

McLaughlin Gormley King Company
 8810 10th Avenue North
 Minneapolis, MN 55427
Telephone Number: (800) 645-6466, or (763) 544-0341
e-Mail Address: mgk-sds@mgk.com

Emergency telephone numbers:

24 Hour TRANSPORTATION Emergency: CHEMTREC®: (800) 424-9300
International: (703) 527-3887

24 Hour MEDICAL Emergency: SafetyCall®: (888) 740-8712, or (952) 852-9509

Comments: MGK® Hours of operation are 8:00 am to 4:30 pm CST, 14:00 to 22:30 GMT.
 For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to
 (888) 740-8712, or (952) 852-9509.

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Aspiration toxicity	Category 1

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Date-Revised: 1/17/2017

Label elements

Emergency Overview

SIGNAL WORD: DANGER HAZARD STATEMENTS

H304: May be fatal if swallowed and enters airways

H332: Harmful if inhaled

H402: Harmful to aquatic life

GHS LABEL

**Appearance:** Clear, colorless**Physical State:** Liquid**Odor:** Slight - Solvent**Precautionary Statements - Prevention:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

Precautionary Statements - Response:

P321 - Specific treatment (see Section 4/ First Aid).

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

Precautionary Statements - Storage:

P405 - Store locked up

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal:

P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Not applicable.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Metofluthrin	240494-70-6	4.0
Hydro-treated middle-distillate (Petroleum)	64742-46-7	5<--->10*
Petroleum distillates, hydrotreated light	64742-47-8	80<--->90*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Aspiration pneumonia hazard: *May be fatal if swallowed and enters airways.

Description of first aid measures:

Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion:

If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give **any** liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

Inhalation:

Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Self-protection of the First Responder:

Use personal protective equipment as required.

Note to physicians:

Contains petroleum distillates – vomiting may cause aspiration pneumonia

For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE-FIGHTING 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.

Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO₂).

Specific hazards arising from the chemical

No information available.

Explosion data

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Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health Hazards -2	Flammability - 1	Instability - 0	Physical and Chemical Properties -
HMIS	Health Hazards - 1	Flammability - 1	Physical Hazards - 0	Personal Protection - X

Chronic Hazard Star Legend * = *Chronic Health Hazard*

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions:

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.

Environmental precautions:

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

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:

Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling:

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. For more information, see product label.

Conditions for safe storage, including any incompatibilities

Storage Conditions:

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Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
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Control parameters**Exposure Guidelines:**

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Supplier OEL
Petroleum Distillates, hydrotreated light 64742-47-8	-	-	-	TWA: 100ppm TWA: 525mg/m3

Appropriate engineering controls**Engineering Controls:**

Safety showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/face protection:**

Tight sealing safety goggles. Face protection shield.

Skin and body protection:

Wear protective gloves and protective clothing.

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations:

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES
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Information on basic physical and chemical properties:

Physical state: Liquid

Appearance: Clear, colorless

Odor: Slight - Solvent

Odor threshold: No information available

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Color (Gardner Scale): 1

<u>Property:</u>	<u>Values:</u>	<u>Comment: Method</u>
pH:	5.62	@ 24.0 °C
Melting point / freezing point:	No information available	
Boiling point / boiling range:	No information available	
Flash point:	> 93.3 °C / > 200.0 °F	Tag Closed Cup;
Evaporation rate:	No information available	
Flammability (solid, gas):	No information available	
Upper flammability limit (UEL):	No information available	
Lower flammability limit (LEL):	No information available	
Vapor pressure:	No information available	
Vapor density:	No information available	
Specific Gravity:	No information available	
Water solubility:	No information available	
Partition coefficient; n-Octanol/ Water:	No information available	
Autoignition temperature:	No information available	
Decomposition temperature:	No information available	
Kinematic viscosity:	No information available	
Dynamic viscosity:	4.47 cPs	@ 20.0 °C . .
Refractive Index:	No information available	
<u>Other Information:</u>		
Density:	0.796 g/cm ³	@ 22.4 °C
VOC Content (%):	0	
<u>Miscibility/ Solubility:</u>		
Water:	No information available	
Petroleum distillates:	Miscible	

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.**Conditions to avoid**

Extremes of temperature and direct sunlight.

Incompatible materials:

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous Decomposition ProductsCarbon monoxide, Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity	Product Information
Oral LD ₅₀	>5,000 mg/kg (rat)
Dermal LD ₅₀	>5,000 mg/kg (rabbit)
Inhalation LC ₅₀	>2.08 mg/L (rat; 4 hours)
Eye contact:	Minimal eye irritation. (rabbit).
Skin Contact:	Slightly irritating. (rabbit).
Sensitization:	Negative. (guinea pig).
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity:	No information available.
Developmental Toxicity	No information available.
Teratogenicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Chronic toxicity:	Avoid repeated exposure.

12. ECOLOGICAL INFORMATION**Ecotoxicity:****Persistence and degradability**

No information available.

Bioaccumulation

No information available.

Other adverse effects: No information available**Environmental hazards (EPA):**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION**DOT (Department of Transportation)**

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid
Hazard Class: Non-Hazardous

Other Shipping Information: This material is **not** regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities (*i.e.*, less-than 119 Gallons / 450 Liters). When shipping in Bulk-quantities (*i.e.*, more than 119 Gallons / 450 Liters), please contact MGK® for the proper shipping description.

Air (IATA/ ICAO)

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid
Hazard Class: Non-Hazardous

Other Shipping Information: Per Special Provision A197, when transported in single or combination packagings containing a net quantity per single or inner packaging of 5L or less for liquids, these substances are not subject to any other provisions of the IATA Dangerous Goods Regulations provided the packagings meet the following provisions:

Packages must be of good quality and strong enough to withstand the shocks and loadings normally encountered in transport.

Packages must be constructed and closed to prevent loss of contents which might be caused by normal conditions of transport, by vibration, or by changes in temperature, humidity, or pressure.

Packages, including inner packages, must be closed in accordance with information provided by the manufacturer. The outside of the package must be free of any dangerous residue.

Parts of the package that come in direct contact with the dangerous good must not be affected or weakened by the dangerous good, must not cause a dangerous effect, and must not allow permeation of the dangerous good that could constitute a danger under normal conditions of transport.

Packages filled with liquid must allow sufficient outage to prevent leakage or permanent distortion of the packaging as a result of an expansion of the liquid caused by temperatures likely during transport. Liquids cannot completely fill a packaging at a temperature of 55°C.

Vessel (IMO/ IMDG)

Proper Shipping Name: Environmentally Hazardous Substance, liquid, n.o.s. (metofluthrin)
Hazard Class: 9

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UN Number: UN3082
Packing Group: III
Marine Pollutant: Yes

15. REGULATORY INFORMATION

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

SARA 311/312 Hazard**Categories**

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. EPA Label Information:

EPA Registration Number: 1021-2618-90291

Difference between SDS and EPA (FIFRA) Pesticide label:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements: Harmful if swallowed

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International:

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Complies
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

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

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION.**Revision Note:**

- Registration number updated

Date of last revision 07/27/2016

Disclaimer:

The data contained herein are based on information currently available to Broan-NuTone, LLC and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which Broan-NuTone, LLC assumes legal responsibility.

SDS Prepared by: M. Hughes

End of Safety Data Sheet.