

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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Havoc® Attack

Revision 0
Revision date 2018-10-19

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

1.1. Product identifier

Product name	Havoc® Attack
Product code	116393, 116394

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Rodenticide.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316 U.S.A.
Hotline(s):	HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Repr. 1A: H360D; STOT RE 2: H373;
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2.2. Label elements

Hazard pictograms	
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2.2. Label elements

Signal Word	Danger
Hazard Statement	Repr. 1A: H360D - May damage the unborn child. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .
Precautionary Statement: Prevention	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P308+P313 - IF exposed or concerned: Get medical advice/attention. P314 - Get medical advice/attention if you feel unwell.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Brodifacoum	607-172-00-1	56073-10-0	259-980-5		0 - 0.5%	Repr. 1A; H360D; Acute Tox. 1: H310; Acute Tox. 1: H300; Acute Tox. 1: H330; STOT RE 1: H372; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

Further information

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Have person sip a glass of water if able to swallow. Do not administer anything by mouth to an unconscious person.

Further information

NOTE TO PHYSICIAN OR VETERINARIAN

For animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K1. In severe cases, blood transfusions may be needed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes. Do not allow runoff water to enter sewers

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5.2. Special hazards arising from the substance or mixture

or drains.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of any water-proof material.

6.2. Environmental precautions

Do not flush into surface water. Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Clean the area using a vacuum cleaner. Clean area thoroughly with detergent.

6.4. Reference to other sections

See section 2, 8, and 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Ensure adequate ventilation of the working area. All handlers (including applicators) must wear long-sleeved shirt and long pants, and shoes plus socks. Wear suitable gloves. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and animal feed and/ or feed products. Keep away from sources of ignition - No smoking. Keep only in the original container in a cool, well-ventilated place away from children and pets.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values


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Exposure Limit Values

<p>Corn Starch (Starch)</p>	<p>ACGIH TLV TWA: 10 mg/m³ Notations: A4 OSHA PEL 8hr TWA mg m3: 15 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:</p>	<p>ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:</p>
<p>Paraffin wax (Paraffin wax fume)</p>	<p>ACGIH TLV TWA: 2 mg/m³ Notations: - OSHA PEL 8hr TWA mg m3: - NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:</p>	<p>ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:</p>
<p>Sucrose</p>	<p>ACGIH TLV TWA: 10 mg/m³ Notations: A4 OSHA PEL 8hr TWA mg m3: 15 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:</p>	<p>ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:</p>

8.2. Exposure controls

	
<p>Appropriate engineering controls</p>	<p>Ensure adequate ventilation of the working area.</p>
<p>Individual protection measures</p>	<p>Wear suitable protective equipment.</p>
<p>Eye / face protection</p>	<p>Not normally required. Use as appropriate: Suitable eye protection.</p>
<p>Skin protection - Hand protection</p>	<p>Wear: Chemical resistant gloves. Wash hands after handling the product.</p>
<p>Respiratory protection</p>	<p>Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.</p>
<p>Occupational exposure controls</p>	<p>Keep away from food, drink and animal feed and/ or feed products.</p>

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Solid
Color	Violet
Odor	Mild
Vapor density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Explosive properties	No data available
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Flammability limits	No data available
Vapor pressure	No data available
Solubility	Insoluble in water

9.2. Other information

Bulk Density	1.2 g/cm ³
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Keep away from combustible material.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition. Keep in a cool place away from children and pets.
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10.5. Incompatible materials

	Keep away from other chemicals.
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10.6. Hazardous decomposition products

	Carbon oxides.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	May be harmful by ingestion, inhalation or if absorbed through the skin. If swallowed, this material may reduce the clotting ability of the blood and cause bleeding.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.

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11.1. Information on toxicological effects

Reproductive toxicity Repeated or prolonged exposure	Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
	Adverse reproductive effects have been found in laboratory animals. Avoid prolonged or repeated exposure.

SECTION 12: Ecological information

12.2. Persistence and degradability

	More than 90% biodegradable.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	Havoc® Attack No data available Sucrose No data available	Corn Starch No data available
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Do not contaminate water by cleaning of equipment or disposal of wastes. Dispose of contents/container to an approved waste disposal facility. Follow label instructions.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN2588
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14.2. UN proper shipping name

	PESTICIDE, SOLID, TOXIC, N.O.S. (Brodifacoum)
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14.3. Transport hazard class(es)

DOT	6.1
Subsidiary risk	-
IMDG	6.1
Subsidiary risk	-
IATA	6.1
Subsidiary risk	-

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

DOT

Hazard ID	60
Tunnel Category	(E)

IMDG

EmS Code	F-A S-A
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IATA

Packing Instruction (Cargo)	677
Maximum quantity	200 kg
Packing Instruction (Passenger)	670
Maximum quantity	100 kg

SECTION 15: Regulatory information

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

Regulations	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: This material contains no reportable components.</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: This material contains no reportable components.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: This material contains no reportable components.</p>
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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Corn Starch (Starch)	Y	N	N	N	N	N	N	N	N
Paraffin wax (Paraffin waxes and Hydrocarbon waxes)	Y	N	N	N	N	N	N	N	N
Sucrose (.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl)	Y	N	N	N	N	N	N	N	N

Further information

FIFRA	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 hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
FIFRA Signal Word	CAUTION.

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Further information

FIFRA Warning	Hazards to humans and domestic animals. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Keep away from children, domestic animals, and pets.
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SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	<p>Acute Tox. 2: H300 - Fatal if swallowed.</p> <p>Acute Tox. 1: H300 - Fatal if swallowed.</p> <p>Acute Tox. 1: H310 - Fatal in contact with skin.</p> <p>Acute Tox. 1: H330 - Fatal if inhaled.</p> <p>Repr. 1A: H360D - May damage the unborn child.</p> <p>STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .</p> <p>STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>
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Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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