



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Tracheal Mite Treatment (65% Formic Acid) ®**
Item Code: TMT
Product Use: Acaricide

Emergency Telephone: **CANUTEC: 613-996-6666 Canada**
CHEMTREC: 800-424-9300 United States

Supplier/Manufacturer: NOD Apiary Products Ltd.
Address: 374 Sidney Street,
Trenton, Ontario Canada K8V 2V2
Telephone: 1-866-483-2929 or 1-613-398-8422

Date of SDS Preparation: 13 October 2023

Section 2. Hazards Identification

Pictograms



Signal Word: Danger

Hazard Code	Hazard Statement	GHS Category
H302	Harmful if swallowed.	Category 4
H332	Harmful if inhaled.	Category 4
H290	May be corrosive to metals.	Category 1
H314	Causes severe skin burns and eye damage.	Category 1B
H318	Causes serious eye damage.	Category 1
H401	Toxic to aquatic life.	Category 4
H433	Harmful to terrestrial vertebrates.	-

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P234	Keep only in original container.
P260	Do not breathe fumes or vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing.

Product Name: Tracheal Mite Treatment
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Issued by: NOD Apiary Products Ltd.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Code	Storage Statement
P406	Store in corrosive resistant container.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Formic Acid	65	64-18--6
Inert ingredients	35	Proprietary

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately flush eyes with plenty of low pressure water for at least 15 minutes. Remove contact lenses. Hold eyelids apart. Get immediate medical attention.
If on Skin	Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing before reuse. Get medical help if irritation persists.
If Swallowed	If conscious, drink large quantities of water. Do not induce vomiting. Get immediate medical attention. NEVER give anything by mouth and NEVER INDUCE vomiting in an unconscious person.
If Inhaled	Remove to fresh air. Treat any irritation symptomatically. Get medical attention if nasal, throat or lung irritation develops.

Section 5. Fire Fighting Measures

Hazard Type	Flammable
Hazards from combustion products	If heated to decomposition, the following substances may be formed: carbon dioxide, carbon monoxide and smoke.
Suitable Extinguishing media	Dry Chemical, carbon dioxide, water spray, or alcohol resistant foam may be used on fires involving this product.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH approved (or equivalent) and full protective gear when fighting fires containing this product. Cool containers with water to prevent rupture.

Section 6. Accidental Release Measures

Personal precautions:

Breathing protection required. Avoid contact with the skin, eyes and clothing. Clear area of any unprotected personnel.

Environmental precautions:

Pick up any spilled product and place in a sealable High-Density Polyethylene (HDPE) container for disposal. Do not empty into drains.

Clean-up:

For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material.

Section 7. Handling and Storage

General advice:

Ensure thorough ventilation of stores and work areas. Sealed containers should be protected against heat as this results in pressure build-up.

Protection against fire and explosion:

Sources of ignition should be kept well clear.

Precautions for Handling:

1. Read label before use.
2. Keep only in original container.
3. Do not breathe fumes or vapours.
4. Wash hands thoroughly after handling.
5. Do not eat, drink or smoke when using this product.
6. Use only outdoors or in a well-ventilated area.
7. Avoid release to the environment.
8. Wear protective clothing.

Storage

General advice:

Store in a cool, dry, well-ventilated area and locked up. Do not Freeze!
Store in original container (corrosive resistant).

Storage incompatibility:

General: Segregate from alkalis and alkalinizing substances and source of ignition.

Storage stability:

Storage temperature: < 25 °C

Storage duration: 36 Months

Section 8 Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance mg/m ³	TWA		STEL	
	ppm	mg/m ³	ppm	ppm
Formic acid [64-18-6]	5	9.4	10	19

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Keep away from ignition source. Eye wash fountains should be easily accessible. Provide adequate ventilation. Washing facilities should be available.

Personal Protection

Eyes	Wear goggles with side shields. Avoid wearing contact lenses.
Hands and Skin	Wear long-sleeved shirt, long pants, socks and shoes, acid resistant gloves (PVC, neoprene or nitrile).
Respiratory	If working indoors wear a respirator with an organic-vapor removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV)cartridge or canister with any N, R, P or HE pre-filter.
General	Avoid contact with eyes, skin and clothing. Do not wear contact lenses. Avoid breathing vapors. Do not swallow. Wash thoroughly after handling and before eating, drinking or smoking. Avoid contamination of food, beverages, or smoking materials. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9 Physical and Chemical Properties

Based on 95% Formic Acid SDS provided by BASF.

Revision Date: 09.04.2018

Version: 1.0

Appearance	Colourless to yellow
Odor	Pungent
Odor Threshold	Not applicable
pH	2.2 (10g/L @ 20°C)
Boiling Point	107.3°C
Melting Point	-13°C
Freezing Point	Not applicable
Flash Point	Not applicable
Flammability	Not applicable
Upper and Lower Exposure Limits	Not applicable

Vapor Pressure	24.2 hPa (20°C) 112.5 (50 °C)
Vapor Density	1.195g/cm ³ (20 °C)
Relative Density	Not applicable
Solubilities	(qualitative): miscible solvent(s): organic solvents
Partition Coefficient:	Not applicable
Auto-ignition Temperature	375°C
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable
Molar Mass	46.03g/mol

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions of use.
Conditions to Avoid	Do not combine part drums of the same product, as this may be a source of contamination. Avoid exposure to heat, direct sunlight, open flames, or other sources of ignition. Avoid exposure to moisture air or water.
Incompatible Materials	Reacts with amines, alkalis, oxidizing agents and sulfuric acid. Exothermic reaction.
Hazardous Decomposition Products	Not anticipated under normal or recommended handling and storage conditions, carbon dioxide and carbon monoxide may form when heated to decomposition.

Section 11 Toxicological Information

Acute toxicity: Formic Acid
Oral Rat- LD₅₀: 730 mg/kg
Inhalation Rat LC₅₀: 15 g/m³/15 min

Acute Effects:

Swallowed	Harmful if swallowed.
Dermal	Not applicable.
Inhalation	Harmful if inhaled.
Eye	Causes serious eye damage.
Skin	Causes severe skin burns and eye damage.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecological Information

Persistence and degradability	Test method: OECD 301E; 84/449/EEC, C.3 Method of analysis: DOC reduction Degree of elimination: > 70 % Evaluation: Biodegradable.
Bioaccumulation	Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected. Biological half-life: 2.5hr
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: Incinerate in suitable incineration plant, observing local authority regulations, is the recommended disposal method.

Disposal methods to avoid: Do not allow to enter waterways.

Section 14 Transport Information

Land transport

TDG

Hazard class: 8

Packing group: II

ID number: UN 3412

Hazard label: 8

Proper shipping name: FORMIC ACID

Sea transport

IMDG

Hazard class: 8

Packing group: II

ID number: UN 3412

Hazard label: 8

Marine pollutant: NO

Proper shipping name: FORMIC ACID

Air transport

IATA/ICAO

Hazard class: 8

Packing group: II

ID number: UN 3412

Hazard label: 8

Proper shipping name: FORMIC ACID

Section 15 Regulatory Information

Registration status: Active. Registration No. 30106 Pest Control Acts.

WHMIS classification: B3: Combustible Liquid

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

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