

# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** EXPEL PLUS SHEEP DIP & SHEEP AND GOAT JETTING FLUID  
**Other means of identification:** Liquid sheep dip and sheep and goat spray concentrate  
**Recommended use and restrictions of use:** For External Veterinary use only. Dilute before use  
**Company:** Afrivet Business Management (Pty) Ltd  
P O Box 2009  
Faerie Glen, 0043  
Pretoria, RSA  
**Emergency phone number:** 0860 833 2787  
**For information about this SDS, phone:** +27 (0) 12 817 9060

## Section 2: Hazard(s) Identification

**GHS Hazard Classification:** ATE<sub>MIX</sub>: Acute toxicity, oral (category 3); Aspiration hazard (category 1); Skin irritation (category 3); Serious eye damage/eye irritation (category 2); Acute toxicity inhalation (category 4); Carcinogenicity (category 2); Reproductive toxicity Category 1; Hazardous to the aquatic environment, acute hazard (category 2); Hazardous to the aquatic environment, long-term hazard (category 1)

### Hazard Statements:

H227: Combustible liquid  
H301: Toxic if swallowed  
H304: May be fatal if swallowed and enters airways  
H316: Causes mild skin irritation  
H320: Causes eye irritation  
H332: Harmful if inhaled  
H351: Suspected of causing cancer  
H360: May damage fertility or the unborn child  
H401: Toxic to aquatic life  
H410: Very toxic to aquatic life with long lasting effects



### Pictograms:

### Precautionary Statements:

P202: Do not handle until all safety precautions have been read and understood  
P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink, or smoke when using this product.

P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P321: Take any precaution to avoid mixing with combustibles/  
 P330: Rinse mouth.  
 P331: DO NOT induce vomiting  
 P301 + P310: IF SWALLOWED: Immediately call a poison centre or doctor/physician  
 P304+P340: IF INHALED: Remove victim 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.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.  
 P332+P313: IF SKIN irritation occurs: Get medical advice/attention.  
 P337+P313: IF EYE irritation persists: Get medical advice/attention.  
 P370+P378: In case of fire: Use ... for extinction.  
 P391: Collect spillage. Hazardous to the aquatic environment  
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235: Store in a well-ventilated place. Keep cool.  
 P405: Store locked up  
 P501: Dispose of contents /containers to

### Section 3 : Composition/ Information on Ingredients

Chemical Name	Cas no	Conc.
Ivermectin	70288-86-7	3.0 %
Novaluron	116714-46-6	2.0 %
N-methyl-2-pyrrolidone	872-50-4	<8.0 %
Solvent 200	64742-94-5	>45.0 %
Isophorone	78-59-1	>8.0 %

Other non-hazardous ingredients  
 Proprietary blend \*

### Section 4: First-Aid Measures

IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.

**After skin contact:** Wash exposed skin thoroughly with soap and water. IF SKIN irritation occurs: Get medical advice/attention

**After eye contact:** IF IN EYES: 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.

**After inhalation:** IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. If not breathing give artificial respiration Do not use mouth-to-mouth, if victim has inhaled or ingested the substance; induce artificial respiration with the aid of a pocket mask with a one-way valve. If breathing of victim is difficult administer oxygen. Effects of exposure may be delayed.

**After swallowing:** IF SWALLOWED: Immediately call a poison centre or doctor/physician. Rinse mouth. DO NOT induce vomiting. Seek medical attention

### Section 5: Fire-Fighting Measures

Combustible liquid  
Noxious but not poisonous fumes may be given off.  
Dispersible in water

**Suitable extinguishing agents:**

In case of fire use water, chemical foam or alcohol resisting foam

**Special protective equipment for firefighters:**

Wear Protective clothing eye and breathing apparatus when fighting this type of fire.

### Section 6: Accidental Release Measures

**Personal precautions:** ELIMINATE all ignition sources (no smoking, flares, sparks, or flames) from immediate area. Do not touch or walk through spilled material.

**Measures for environmental protection:** Collect spillage. Hazardous to the aquatic environment. Avoid release to the environment. Stop leak if you can do it without risk. Avoid contaminating waterways. Do not flush into surface water or sanitary sewer system

**Measures for cleaning/collecting:** Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean, non-sparking tools to collect absorbed material.

### Section 7: Handling and Storage

**Handling:** Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

### Section 8: Exposure Controls/Personal Protection

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
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**Appropriate engineering controls:**

Facilities storing or utilising this material should be equipped with an eyewash facility and safety shower

**General protective and hygienic measures:**

**Breathing equipment:** During spraying wear suitable respiratory equipment

**Skin and body:** Wear suitable protective clothing and chemical resistant boots

**Protection of hands:** Wear suitable protective gloves

**Eye protection:** Wear safety goggles or face shield

**Section 9: Physical and Chemical Properties**

**Form:** Clear brown liquid

**Odour:** Strong aromatic hydrocarbon solvent

**Odour threshold:** Not available

**pH:** 6.0 – 7.0

**Melting point/melting range:** Not available

**Boiling point/boiling range:** 131.8 °C to 205.8 °C

**Flash point:** 70 °C (closed cup)

**Evaporation rate:** Not available

**Flammability:** Class IIIA combustible liquid

**Upper/lower flammability or explosive limits:** Not applicable

**Auto ignition temperature:** Not available

**Danger of explosion:** Not available

**Vapor pressure:** Not available

**Vapor density:** Not available

**Relative density:** Density at 20 °C 0.970 – 0.980 g/ml

**Solubility in/Miscibility with water:** Water dispersible

**Viscosity:** < 20 mPa/s

**Section 10: Stability and Reactivity**

**Reactivity:** Avoid strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite /calcium hypochlorite.

**Chemical stability:** Stable under normal conditions

**Conditions to avoid:** Excessive heat and open flame

**Incompatible materials:** None known

**Hazardous decomposition products:** Emits toxic and irritating fumes: CO, CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub>

**Section 11: Toxicological Information**

**Acute toxicity:**

**Potential routes of exposure/potential health effects**

**Ingestion:** ATE<sub>MIX</sub>: LD<sub>50</sub> (Rat) 150.5 mg/kg. Toxic if swallowed

**Dermal:** N/A

**Inhalation:** Harmful if inhaled

**Skin :** Causes mild skin irritation

**Eye :** Causes eye irritation  
**Respiratory sensitisation:** No data  
**Skin Sensitisation:** No data  
**Aspiration:** Aspiration hazard may cause chemical pneumonitis. Do not induce vomiting.  
**Germ Cell Mutagenic effects:** No data  
**Carcinogenic effects:** Suspected of causing cancer  
**Reproductive toxicity:** No data  
**Target organs:** No data

### Section 12: Ecological Information (non-mandatory)

**Ecotoxicity:**  
**Acute aquatic toxicity:** ATE: Toxic to aquatic life  
**Chronic Aquatic toxicity:** ATE: Very toxic to aquatic life with long lasting effects  
**Mobility:** No data  
**Biodegradation:** No data  
**Bioaccumulation:** No data

### Section 13: Disposal Considerations (non-mandatory)

**Waste treatment:**  
Dispose of large volumes of this material and its container at hazardous waste sites or special waste collection points in accordance with local waste policy and regulations. Containers should not be re-used for any other purpose. Dispose of contents/container in accordance with National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008).

### Section 14 : Transport Information (non-mandatory)

**UN number:** 1993  
**UN proper shipping name:** Combustible liquid N.O.S.  
**Transport hazard class(es):** 3  
**Packing group, if applicable:** III  
**Environmental hazards (e.g., Marine pollutant (Yes/No)):** Yes  
**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):**  
**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises:**

**Section 15: Regulatory Information (non-mandatory)**

None

**Section 16: Other Information**

The information contained herein is based on the present state of our knowledge.  
It characterizes the product with regard to the appropriate safety precautions.  
It does not represent a guarantee of the properness of the product.

Disclaimer:

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