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MSDS Number: FAMA35D00A

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Emergency Telephone
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1. **PRODUCT NAME:** JT-1
JT-DP

2. **PRODUCT NUMBER:** 581XXX

3. **PRODUCT IDENTIFICATION**

Trade Name: JT-1

Active Ingredient Formula: C₅H₁₀N₂S₂

Chemical Names/Synonyms: Tetrahydro-3, 5-dimethyl-2H-1, 3,5 -thiadiazine-2-thione

DOT Shipping Name: Not Regulated

DOT Hazard Class: Non-hazardous

Chemical Family: Biocide

CAS Number: Blend

4. **PHYSICAL DATA (TYPICAL)**

Appearance: White Granular Powder

Solubility in Water: Slight

Specific Gravity: 0.75 @ 25 C (77 F) (Water=1)

Odor: Mild sulfide odor

Boiling Point: 221 F @760 mm Hg

Bulk Density: 47 lb/ft³

Evaporation Rate: <1 (Butyl Acetate=1)

5. **HAZARDOUS INGREDIENTS**

Chemical Name	CAS #	Amount
DAZOMET*	533-74-4	98%

Composition Comment:

*Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

6. **HAZARDS IDENTIFICATION**

Health - 2 **Flammability - 1** **Reactivity - 0**

EMERGENCY OVERVIEW

CAUTION

Prolonged or repeated contact may cause skin or eye irritation. The health hazards of this product should be low under normal industrial and commercial uses.

Emergency First Aid Procedures:

Eyes: May cause eye irritation. Not expected to be an eye irritant.

Skin: A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Prolonged or repeated skin contact may cause irritation.

Inhalation: Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respirator tract irritation.

Ingestion: Moderately toxic. Harmful or fatal if swallowed.

Chronic Effects: Sensitization: Suspected of causing allergic dermatitis.

Carcinogenicity Information: No known cancer hazards..

7. **FIRST AID MEASURES**

Eye Contact First Aid: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Skin Contact First Aid: Wash affected areas immediately with large amounts of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation First Aid: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Get medical attention if cough or other symptoms develop.

Ingestion First Aid: Ingestion is not considered a potential route of exposure. If swallowed, immediately give 2 glasses of water. Induce vomiting. Never give anything by mouth to an unconscious person. Contact a physician.

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

8. **FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES

PMCC Flash Point: 137.8 C (280 F 0

Autoignition Temperatures: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

FLAMMABLE PROPERTIES

Material will burn in a fire.

EXTINGUISHING METHOD: Water, foam, or dry powder.

FIRE & EXPLOSION HAZARDS

May form explosive dust-air mixture. Flammable dust/air mixtures can form at 30 g/m³ air. CO₂ unsuitable extinguishing media due to dust explosion.

FIRE FIGHTING INSTRUCTIONS

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Dike and collect water used to fight fire. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

COMBUSTION PRODUCTS

In the case of a fire, oxides of carbon, nitrogen, sulfur, hydrocarbons, fumes and smoke may be produced.

9. **ACCIDENTAL RELEASE MEASURES**

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment. Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater.

INITIAL CONTAINMENT

Contain spilled material. Keep dry. Wet material may release methyl isothiocyanate.

LARGE SPILLS PROCEDURE:

Warning. Avoid getting material into storm sewers and ditches which lead to waterways. This product is toxic to fish.

SMALL SPILLS PROCEDURE

Do not attempt clean up with water. Secure the spill area.

10. **HANDLING AND STORAGE**
RECOMMENDED STORAGE TEMPERATURE
Minimum: 1.7 C (35.1 F)
Maximum: 55.0 C (131.0 F)
HANDLING (PERSONNEL):
Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged contact with skin or eyes. Avoid breathing dust. Wash hands thoroughly after handling.
- HANDLING (PHYSICAL ASPECTS):**
Store in a secure area. Provide appropriate ventilation.
- STORAGE PRECAUTIONS:**
Keep container tightly closed. Do not store near combustible materials. Avoid extreme temperatures.
11. **EXPOSURE CONTROLS / PERSONAL PROTECTION**
ENGINEERING CONTROLS:
Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
- EYE / FACE PROTECTION REQUIREMENTS:**
Chemical goggles are recommended to avoid contact with eyes.
- SKIN PROTECTION REQUIREMENTS:**
Wear protective gloves to minimize skin contamination. Selection of specific items such as gloves, boots, and apron or full-body suit will depend on operation.
- RESPIRATORY PROTECTION REQUIREMENTS:**
If excessive dust is created, wear dust mask or respirator to keep exposure below the Permissible Exposure Level for particulate matter.
12. **STABILITY AND REACTIVITY**
STABILITY: This compound is stable at ambient conditions.
POLYMERIZATION: Hazardous polymerization will not occur.
INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with acids and oxidizing agents.
DECOMPOSITION: Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons. Carbon disulfide and hydrogen sulfide may form.
CONDITIONS TO AVOID: Avoid extreme temperatures and moisture. Unstable in water.
- In contact with water decomposes gradually and gives off methyl isothiocyanate.
13. **TOXICOLOGICAL INFORMATION**
EYE EFFECTS: Eye Irritation – rabbit: Non-irritating.
SKIN EFFECTS: Skin Irritation – rabbit: Non-irritating.
ACUTE ORAL EFFECTS: Oral LD50 (rat): 519 mg/kg.
14. **ECOLOGICAL INFORMATION**
No information available.
15. **DISPOSAL CONSIDERATIONS**
WASTE DISPOSAL: Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements.
- EPA Hazardous Waste – No.

CONTAINER DISPOSAL: Uncleaned empty containers should be disposed of in the same manner as the contents.

16. **TRANSPORT INFORMATION**

PRODUCT LABEL: JT-1

D.O.T. SHIPPINT NAME: Not Regulated

MISCELLANEOUS:

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

17. **REGULATORY INFORMATION**

SARA 311 Categories:

Immediate (Acute) Health Effects	Yes	
Delayed (Chronic) Health Effects	Yes	
Fire Hazard		No
Sudden Release of Pressure Hazard		No
Reactivity Hazard	No	

REGULATORY LISTS SEARCHED:

01 – SARA 313	02 – SARA 302/304
03 – ACGIH	04 – ACGIH Calc TLV
05 – CANADIAN WHMIS	06 – CA PROPOSITION 65
07 – CERCLA 302.4	08 – ACGIH STEL
09 – OSHA PEL	10 – OSHA CEILING

WHMIS HAZARD SYMBOLS:

Class d-2 (B) – Materials Causing Other Toxic Effects

SARA TITLE III – SECTION 313

DAZOMET* (533-74-4)

MISCELLANEOUS INFORMATION:

This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from U.S. Toxic Substance Control Act (TSCA) Inventory listing requirements.

This product is subject to regulation under the Canadian Pest Control Products Act (P.C.P. Act). Therefore, this product is excluded from the specified in Section 12 of the Hazardous Products Act.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the best opinion on the subject as of the date on this sheet. However, no warranty, guarantee or representation, express or implied, is made by Walla Walla Environmental, Inc., as to the correctness or sufficiency of this information or to the results to be obtained from the use thereof.