MATERIAL SAFETY DATA SHEET

FONTARÔME CHEMICAL, INC.
SOCMA MEMBER COMPANY
ChemStewards® THE ROAD TO CONTINUOUS IMPROVEMENT
4170 S. Nevada Avenue
St. Francis, WI 53235-4515 U.S.A.
Phone: (414) 744-3993
Fax: (414) 744-7111

CHEMICAL NAME:
METHIONAL

HAZARD RATING:
0 = Least
1 = Slight
2 = Moderate
3 = High
4 = Extreme

LD50 0.8 g/kg

Health	**3**
Fire	**2**
Reactivity	**1**

SEC 1

PRODUCT INFORMATION

Synonym: 3-(Methylthio)propionaldehyde; beta-Methylmercaptopropionaldehyde; 4-Thiapentanal
Formula: C4 H8 O S OSHA PEL: NA Part Code: 12657
Formula Weight: 104.17 ACGIH TLV: NA CAS: 3268-49-3

SEC 2

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 165°C Vapor Pressure (mm Hg, 20°C): 2.2 Vapor Density: NA
Density (g/mL): 1.038-1.065 Water Solubility: Soluble Evaporation Rate: NA
Appearance: Clear liquid, Colorless to pale yellow Log K(ow) : 0.41
Odor: Powerful and diffusive onion, potato, and meat-like odor.

SEC 3

FIRE AND EXPLOSION HAZARDS

Flash Point (Closed Cup): 68°C
Extinguishing Media: Dry chemical, foam. Avoid waterstream.
Special Fire Fighting Procedures: Keep container(s) cool by spraying with water if exposed to fire.
Unusual Fire and Explosion Hazards: None known to Fontarôme Chemical, Inc.

SEC 4

REACTIVITY DATA

Stability: Stable, Hazardous Polymerization will not occur.
Incompatibility (Materials to avoid): Contact and contamination with strong acids, alkalis, oxidizing agents.
Conditions to avoid: High Temperatures

SEC 5

HEALTH AND HAZARD DATA

Route(s) of Entry: ☑ Ingestion ☑ Inhalation ☑ Skin
Carcinogenicity: ☐ IARC Monographs ☐ NTP ☐ OSHA Regulated

This compound is Generally Regarded As Safe (GRAS) for flavor and perfume use.

Health Hazards (Acute and Chronic): May be irritating to skin and eyes.
Signs and Symptoms of Exposure: Irritation of skin and eyes.
Medical Conditions Generally Aggravated by Exposure: None known to Fontarôme Chemical, Inc.
Emergency and First Aid Procedures:
Inhalation: Remove to fresh air. If breathing has stopped, administer artificial respiration.
Eye Contact: Flush immediately with clean water for at least 10 minutes.
Skin Contact: Remove any affected clothing or shoes. Wash the affected areas thoroughly with soap and water for at least 15 minutes.
Ingestion: Give water to dilute. Contact a physician.

SEC 6

PRECAUTIONS FOR SAFE HANDLING AND USE

In case of release or spill: Eliminate all sources of ignition. Ventilate the area. Absorb the spilled material with sand or earth. The use of a self-contained breathing apparatus is recommended.
Waste Disposal Method: Place the material and absorbent into sealed containers and dispose in accordance with current applicable laws and regulations.
Other Precautions: Eye wash fountain and safety shower should be available.

SEC 7

CONTROL MEASURES

Respiratory Protection: NIOSH approved respirator, Supplied air or SCBA
Eye Protection: Splash Goggle
Protective Gloves: Chemical Resistant Gloves
Ventilation: Required at all times
Other Protective Equipment: Apron

Work/Hygienic Practices: Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash hands after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before reuse.

While Fontarôme Chemical, Inc. believes the data contained herein is correct, it should not be taken as a warranty or representation for which we assume legal responsibility. This information is provided solely for your consideration, investigation, and verification.

24 Hour Emergency Number: (800) 424-9300