



SECTION I: Chemical Product and Company Identification

Product Identifier: GUNMATE
Manufacturer: WYS Manufacturing Ltd.
Bay 7 & 8, 4216 – 54th Ave. SE
Calgary, Alberta T2C 2E3
Canada

Supplier: Maryn International Ltd.
Bay 5 & 6, 4216 – 54th Ave. SE
Calgary, Alberta T2C 2E3
Canada

Product use:
Emergency Phone Number: CANUTEC – 24 hr Emergency No. 1-613-996-6666
Business Hour Number 1-403-252-2239
(Monday through Friday 8:00am to 4:30pm MST)

SECTION II: Composition/ Information on Ingredients

Hazardous Ingredients	Concentration %	C.A.S. #	Exposure limit	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
Calcium alkylnaphthalenesulfonate /carboxylate	5 – 6	Proprietary	Not Established	Not Established	Not Established

SECTION III: Hazards Identification

Emergency Overview No hazards under normal conditions of use.

Ingestion No significant hazard. Minimal toxicity. Ingestion of large amounts may cause intestinal blockage.

Inhalation No inhalation dangers at room temperature as there are no vapors. If product is misted at elevated temperature, high concentration of vapor and/or mist may cause irritation, experienced as nasal discomfort and discharge.

Skin Contact Frequent or prolonged contact may irritate the skin and cause a skin rash.

Eye Contact Slight irritation to the eyes but will not cause injury to the eye tissue.

Effects of Chronic Exposure Repeated exposure over prolonged periods of time may cause irritation to the skin, respiratory system and eyes. Follow good industrial hygiene practices to avoid exposure.

Effects of Acute Exposure Breathing mist caused by high temperature or swallowing large quantities may be irritating to skin, respiratory system, mucous membranes and eyes.



SECTION IV: First Aid Measures

Ingestion	Do not induce vomiting. Call physician immediately.
Skin Contact	Wash well with soap and water. . If redness or irritation occurs, seek medical attention. Launder clothes prior to re-use.
Inhalation	If excessive fumes, remove victim to fresh air. If no relief is obtained, consult physician.
Eye Contact	Flush with clean tepid water for 15 minutes keeping eyelids open. If irritation persists, consult physician.
Notes to Physician	Not available.

SECTION V: Fire-Fighting Measures

Flammability	Not controlled within WHMIS. Non flammable at ambient temperatures.
Means of Extinction	Carbon dioxide foam, dry chemicals. Keep containers cool with water spray. When fighting fire, treat as petroleum product, wear full protective clothing, including NIOSH approved self-contained breathing apparatus. Avoid spreading with water flooding.
Flash Point (ASTM D92)	194°C (381°F)
Upper Flammability Limits	Not Applicable
Lower Flammability Limits	Not Applicable
Auto Ignition Temperature	Not Applicable
Hazardous Combustion Products	Oxides of carbon, sulfur and dense smoke
Fire and Explosion Hazards	Low fire hazard. This product must be heated before ignition will occur.
Sensitivity to Static Discharge	None at normal temperatures below flash point. Do not cut, weld, or pressurize empty container. Container may explode in heat of fire.

SECTION VI: Accidental Release Measures

Personal Protection	Wear suitable protective equipment. Eliminate sources and or potential sources of ignition. Where prolonged or /and repeated skin and eye exposure is likely to occur, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.
Environmental Precautions	Product has very low solubility in water. Do not flush to sewers, streams or other bodies of water. For disposal, see Section XIII.
Methods for cleaning up	Absorb on inert material such as sand, earth, vermiculite. Sweep up and collect in a suitable container for disposal. Observe government regulations.
Large spills	Stop leak if without risk. Dike to contain spill. Pump excess material into suitable container (metal



drums, metal tanks, or such).

SECTION VII: Handling and Storage

Handling Avoid excess heat, formation of oil mist, breathing vapors and mist from hot oil, and prolonged or repeated contact with skin

Storage Store at ambient temperatures (<50°C) in a well ventilated area. Keep container tightly closed and away from heat, spark, and open flame.

SECTION VIII: Exposure Controls / Personal Protection

Engineering Controls For normal application, special ventilation is not necessary. If user's operation generates mist, use ventilation to keep exposure to airborne contaminants below exposure limits. Make up air should always be supplied to balance air removed by exhaust ventilation.

Respiratory Protection Use Self-Contained Breathing Apparatus in high vapour concentrations.

Eye Protection Use chemical splash goggles if risk of splashing present.

Skin Protection Use rubber or plastic apron.

Hand Protection Use oil resistant gloves.

SECTION IX: Physical and Chemical Properties

Physical State: Liquid
Odour: Characteristic
Appearance: Amber colour
Odour Threshold: Not established
Specific Gravity: 0.89 at 20°C (68°F)
Vapour Pressure: 28kPa at 38°C
Vapor Density: Not applicable
Evaporation Rate: Not applicable
Boiling Point: Not applicable
Pour Point: -50°C (-58°F)
Solubility in Water: Insoluble
pH: 9.0 (50:50 water)
Partitioning Coefficient: Not available

SECTION X: Stability and Reactivity

Chemical Stability: Stable

Incompatibility: Avoid contact with oxidizing agents, reducing agents, and ignition source.



Reactivity: No reactivity
Polymerization: Will not occur
Decomposition Products: Oxides of carbon, sulfur and dense smoke.

SECTION XI: Toxicological Information

Skin Contact Frequent or prolonged contact may irritate the skin and cause a skin rash.

Skin Absorption No evidence of adverse effects from available information. Prolonged contact may cause mild irritation.

Eye Contact Slight irritation to eyes, but will not injure eye tissue.

Inhalation No inhalation dangers at room temperature as there are no vapours. If the product is misted, high concentrations of vapours and/or mist may cause irritation, experienced as nasal discomfort and discharge.

Ingestion No significant hazard. Minimal toxicity. Ingestion of large amounts may cause intestinal obstruction. If drawn into lungs from swallowing or vomiting, may cause bronchopneumonia or pulmonary edema.

Sensitization: Not Applicable

Carcinogenicity: This product contains material that has not been listed as a carcinogen or potential carcinogen by either the National Toxicology Program, International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

Reproductive Toxicity: No information is available and no adverse effects are anticipated.

Teratogenicity: No information is available and no adverse effects are anticipated.

Mutagenicity: No information is available and no adverse effects are anticipated

Component Toxicological information:

Chemical Name	Oral LD50 Rat	Dermal LD50 Rabbit	Inhalation LC50 Rat
Calcium alkylnaphthalenesulfonate/ carboxylate	>5000 mg/kg	>2000 mg/kg	>2500 mg/m ³ /4h

SECTION XII: Ecological information

Environmental Fate: No specific environmental fate data is available. This product is not expected to be readily biodegradable.

Environmental Effects: No specific toxicity or environmental effect data is available.

SECTION XIII: Disposal Consideration

RCRA 40 CFR 261 Classification Not listed
US EPA Waste Number / Classification Not available

Waste Disposal



Dispose of waste material in compliance with all federal, state, provincial and local regulations. Incinerate in a furnace or bury in an approved landfill where permitted under appropriate federal, provincial and local regulations.

SECTION XIV: Transport Information

Department of Transport:	Not regulated under DOT
TDG – Canada	Not regulated under TDG.
DOT/TDG Proper Shipping Name:	None
DOT/TDG Hazard Class:	None
UN Number:	None
Packing Group:	None
DOT/TDG Labels: Primary:	None required
Subsidiary:	None required
DOT/TDG Placards:	None required

SECTION XV: Regulatory Information

CPR Compliance:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

OSHA Hazard Communication Standards 29CFR 1910.1200:

This product is not known to contain any of the carcinogens required to be listed under OSHA Hazards Communication Standards 29 CFR 1910.1200.

WHMIS Classification:

Not a controlled product under WHMIS.

CERCLA:

Not listed on CERCLA (40CFR 302.4). If this product is accidentally spilled, it is not subject to special reporting under requirements of the Comprehensive Environmental Response and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA Title III Section 311/312:

Under the provisions of Title III, Section 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard category: **NONE**.

SARA Title III Section 313:

This product does not contain more than 1 % of any of the chemical substances listed under SARA Section 313.

RCRA:

Not listed on the **RCRA** (40 CFR 261.33) for hazardous waste.

NPRI:

Not listed in the **NPRI** under Canadian EPA.

Chemical Inventory

Canada: The ingredients of this product are on the DSL.

United States: The ingredients of this product are on the TSCA



SECTION XVI Other Information

HMIS Information

Degree of Hazard	HMIS Rating
4= Severe	Health 1
3= Serious	Flammability 1
2= Moderate	Reactivity 0
1= Slight	
0= Minimal	

Revision Information

Prepared by: Maryn Research
Phone: 1-403-252-2239

Effective Date: March 13th 2008

Supersedes: October 27, 2005

Revision: 1.0

Maryn International Ltd. (the "Company"), shall not be liable for any damages arising from the information contained on this data sheet howsoever caused, if the product in question is not employed in a normal or foreseeable use or circumstances. The Company shall not be liable for any indirect or consequential damages arising out of the use of the information contained on this data sheet howsoever caused.