MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLEXMAR 250 G/L COMPONENT A **HMIS CODES: H 2 F 2 R 0 P X**

SECTION I: Manufacturer Identification

Manufactured Expressly for: FLEXMAR Coatings, LLC

ADDRESS: P.O. Box 21O, New Kensington, PA. 15068

EMERGENCY PHONE: CHEMTREC (800) 424-9300 **INFORMATION PHONE:** 724-339-1442

DATE REVISED: 4/10/09 **NAME OF PREPARER:** Jack J. Bracco

SECTION II: Hazardous Ingredients / SARA III Information

		OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		
HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER	mm Hg @	TEMP	WEIGHT PERCENT
Monoaspartates	Trade Secret	N / E	N / E		N / A		< 5
Aspartic Esters	Trade Secret	N / E	N / E		< 1	68°F	50 - 70
Benzene–1–Chloro–4—Fluoromethyl	98 – 56 -6	N / E	N / E		5.3	68°F	10 - 30
Aromatic Hydrocarbon	64742-95-6	25 PPM	25 PPM		4.8	100°F	10 - 30
Butyl Cellosolve	111-76-2	50 PPM	20 PPM		17.5	68°F	2 - 5
Silane	PROPRIETARY	N / E	N / E		N / A		< 5
Ultraviolet Inhibitors	PROPRIETARY	N / E	N / E		N / A		< 2

* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.
Behind the TLV & PEL values indicate special health and fire hazard notations to be found in the body of the MSDS. Read all sections carefully and check for notations.

SECTION III: Physical / Chemical Characteristics

BOILING POINT: 282°F **SPECIFIC GRAVITY (H_20=1):** 1.07

VAPOR DENSITY: Heavier than air **EVAPORATION RATE:** Slower than ether

COATING V.O.C.: 250 G/L

MATERIAL V.O.C.: 250 G/L

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Colored or clear viscous liquid, sweet fruit odor

SECTION IV: Fire and Explosion Hazard Data

FLASH POINT: 109°F **METHOD USED:** TCC

FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: 9% **UPPER:** 10.5%

EXTINGUISHING MEDIA: Foam, CO_2, dry chemical

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames, and ignition sources at locations distant from material handling port.

SECTION V: Reactivity Data

STABILITY: Stable.

CONDITIONS TO AVOID: Never use welding or cutting torch on or near drums (even empty) because product (even just residue) can ignite explosively.

INCOMATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPISITION OR BY PRODUCTS: May form toxic materials: carbon dioxide and carbon monoxide, various hydrocarbons, etc.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI: Health Hazard Data

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation, **As nuisance dusts, ** As repirable nuisance dusts.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Prolonged or repeated contact with product can cause moderate skin irritation, defatting, dermatitis.

Eyes: Can cause severe irritation, redness, tearing, blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin absorption may potentially contribute to overall exposure to this material. Appropriate measures should be taken to prevent absorption so that TLV is not invalidated.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Acute: Irritation of skin, eyes, mucous membranes. Drying, defatting of skin. Avoid ingestion and breathing of vapors.

Chronic: Eye, liver, kidney, and central nervous system damage may occur.

CARCINOGENICITY:

NTP: No

TARC Monographs: No

OSHA Regulated: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES:

Skin: Thoroughly wash exposed area with soap and water, remove contaminated clothing. Launder clothing before reuse.

Eyes: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

Ingestion: Do not induce vomiting. Keep person warm, quiet, and get medical attention. Aspiration of material into lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

Breathing: Remove person to fresh air. Give oxygen if breathing difficult, artificial respiration if breathing stops. Keep person warm and get medical attention.

SECTION VII: Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Small: Absorb, preferably with floor absorbent. Transfer to hood.

Large: Eliminate all ignition sources. Wear protective clothing. Stop spill, dike area. Pump to salvage tank. Prevent run-off to sewers, streams. Notify authorities.

WASTE DISPOSAL METHOD:

Small Spill: Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material in accordance with applicable regulations.

Large Spill: Destroy by liquid incineration. Contaminated absorbent may be deposited in a landfill in accordance with local, state, and federal regulations.

OTHER PRECAUTIONS:

Do not take internally. Avoid contact with skin and eyes. Avoid breathing of vapors or spray mist. All hazard precautions given in the data sheet must be observed.

SECTION VIII: Control Measures

RESPIRATORY PROTECTION:

If TLV of the product or any component is exceeded. A NIOSH / MSHA jointly approved air-supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH / MSHA respirators under specified conditions (see safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV (5).

PROTECTIVE GLOVES:

Wear resistant gloves such as nitrile rubber.

EYE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations are advised. Check to see if others are permitted.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

WORK / HYGIENIC PRACTICES:

Wash hands before eating, smoking, or using washroom. Smoke in smoking-permitted areas only.

SECTION IX: Transportation Data

GROUND TRANSPORTATION IN ONE GALLON OR SMALLER CONTAINERS:

Class 55, non-regulated

AIR, OCEAN, OR GROUND TRANSPORTATION IN 5 GALLON OR LARGER CONTAINERS:

Class 55, Paint 3, flammable liquid, UN 1263, PG II.

SECTION X: Disclaimer

The data contained herein is believed to be accurate at the time of preparation. FLEXMAR Coatings, LLC makes no warranty concerning their accuracy and will not be liable for claims relating to the use or reliance on data or recommendations contained herein, regardless of whether it is claimed that the information is inaccurate, incomplete, or otherwise misleading.