

# MATERIAL SAFETY DATA SHEET

## Curtis/GlenChem Corp.

Eddystone Industrial Park  
2000 Industrial Highway  
Eddystone, PA 19022-1513

Product: **BLEND SOL FF**

Daytime Telephone: (610) 876-9906  
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: G5151 - Rev. 1.0 Date: 010/97  
Replaces: None  
Reason: Original MSDS

### -- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name:..... BLEND SOL FF (Urethane Flush)  
Chemical Name/Synonym:..... MIXTURE  
Chemical Family:..... SOLVENT COMPOUND  
Formula:..... PROPRIETARY  
Product Code:..... G5151

HMIS /NFPA Information  
HMIS Hazard Rating: Legend:  
Health:..... 2 0 - Least  
Fire:..... 2 1 - Slight  
Reactivity:..... 0 2 - Moderate  
3 - High  
NFPA Rating: 2 - 2 - 0 4 - Extreme

Product Description: Blend of synthetic solvents and surface tension reducers

### -- SECTION 02 - PHYSICAL DATA --

Boiling Point:..... ~200°C  
Vapor Pressure:..... 0.29 (mmHg) @ 70°F  
Vapor Density:..... >3.0 (AIR=1)  
Appearance:..... Clear to slightly amber liquid  
pH:..... ~ Neutral  
Freeze Point:..... -4°F

Solubility in Water:..... Complete  
Specific Gravity @ 60°F:..... 1.07 (H<sub>2</sub>O=1)  
% Volatile by Volume:..... Essentially 0%  
Odor:..... Sweet  
pH working solutions:..... 6 - 8 (10%)

### -- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range (by wt.)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
1-Methyl-2-Pyrrolidinone	872-50-4	> 50	Not Listed [Producer Recommendation: 100 ppm]	Not Listed
2(3H)-Furanone, Dihydro- (Primary Hazard: <i>Eye Irritant</i> , possibly severe)	96-48-0	< 50	Not Listed	Not Listed
Inert, and/or non-hazardous components, or less than reportable quantities:	Balance	-----	-----	-----

### -- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point:..... > 190°F (TCC - ASTM 56-70) Combustible Material  
Extinguishing Media:..... Small Fire: CO<sub>2</sub>, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.  
Special Fire Fighting Procedures:..... Use self-contained breathing apparatus; water may be used to cool adjacent containers.

### -- SECTION 05 - REACTIVITY DATA --

Stability:..... Stable.  
Incompatibility:..... Strong oxidizers such as peroxides, chlorine, nitric acid, etc.  
Hazardous Decomposition Products:..... Carbon monoxide may form upon thermal degradation.  
Hazardous Polymerization:..... Will not occur.

**-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --**

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.  
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

**-- SECTION 07 - HEALTH HAZARD DATA --**

EYE CONTACT:..... May cause irritation. Severe irritation possible if not irrigated immediately.  
SKIN CONTACT: ..... Prolonged contact may cause dryness and dry skin irritation.  
INHALATION:..... Short term toxicity is expected to be low. Breathing large amounts over extended periods may be harmful.  
INGESTION:..... Single dose oral toxicity is expected to be low. Swallowing large amounts may be harmful.  
EFFECTS OF OVEREXPOSURE:..... None currently known.  
IARC and NTP ..... NONE of the ingredients in this product are listed by the NTP, IARC, or OSHA as possible carcinogens.  
PRIMARY ROUTES OF ENTRY ..... Skin absorption, eye contact.

**-- SECTION 08 - FIRST AID --**

EYES: ..... Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.  
SKIN:..... Flush with water; wash with soap and water after handling.  
INHALATION:..... Remove to fresh air.  
INGESTION: ..... DO NOT INDUCE VOMITING - Seek medical attention. Never give anything by mouth to an unconscious person.

**-- SECTION 09 - SPECIAL HANDLING INFORMATION --**

VENTILATION:..... None normally required; provide local ventilation sufficient to maintain levels below lowest listed TLV  
RESPIRATORY PROTECTION:..... None normally required; NIOSH approved respirator for heated vapor conditions.  
PROTECTIVE CLOTHING:..... Chemical resistant gloves of natural latex, neoprene or butyl rubber when mixing or handling.

EYE PROTECTION:..... Tight fitting or chemical workers goggle if splashing is anticipated.

**-- SECTION 10 - REGULATORY AND ADDITIONAL INFORMATION --**

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers. Empty Containers: Do not reuse empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drums as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations forbid transportation of partially filled and unclosed containers.

D.O.T.: Shipping Classification: Combustible Liquid, n.o.s., (contains N-Methyl-2-Pyrrolidone), 9, NA1993, PGIII; ERG-128

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for current components of this material): A) Sections 311/312 - None Listed; B) Section 313 – N-Methyl-2-Pyrrolidone is Listed as Reportable; C) Section 302 - None Listed as Extremely Hazardous Substance(s).

CERCLA Information (for current components of this material): None Listed in Table 302.4 of 40 CFR Part 302 as hazardous substances with NRC RQs.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

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