

**Hartland Lubricants & Chemicals**

914 Commercial Court  
 Onalaska, WI 54650  
 608-779-6353

**MATERIAL SAFETY DATA SHEET****SECTION 1: CHEMICAL PRODUCT / IDENTIFICATION**

PRODUCT NAME: **Hartland Buffer Additive**  
 IDENTIFICATION NUMBER: Additive-Buffer  
 USE/CLASS: Amine Mixture  
**Emergency Telephone: 800-633-8253** (PERS) Professional Emergency Resource Services  
 24 Hour  
 Product Information: 800-658-9051  
 Revised: 08.27.2013

**SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS**

ITEM	CHEMICAL NAME	Hazardous Per --29 CFR 1910.12--	CAS NUMBER	WT/WT % LESS THAN
01	DIETHANOLAMINE		11-42-2	70.0 %
02	Morpholine-HP	YES	110-91-8	20.0 %
03	Carboxylic Acid Salt	NO	Proprietary	10.0 %

\*HP- denotes as OSHA Health and Physical Hazard

ITEM	EXPOSURE LIMITS					
	ACGIH TLV-TWA	OSHA TLV-STEL	OSHA PEL-TWA	COMPANY PEL-CEILING	TLV-TWA	SKIN
01	15 mg/m3	3 ppm		3 ppm		YES
02	20 mg/m3	30 ppm		3 ppm		YES
03	N.D.	N.D.		N.D.		N.D.

This mixture or chemical trade-name product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

(See Section XVI for abbreviation legend)

**SECTION 3: HAZARDS IDENTIFICATION**

\*\*\* EMERGENCY OVERVIEW \*\*\* No Information

Effects of Overexposure - Eye Contact: Direct contact with material can cause moderate irritation.

Effects of Overexposure - Skin Contact: Prolonged or repeated skin contact can cause slight skin irritation.

Effects of Overexposure - Inhalation: No hazard in normal industrial use.  
 Inhalation of vapor or mist can cause headache, nausea, injury to lungs, liver and kidneys.

Effects of Overexposure - Severe irritation to eyes, which may result in permanent impairment of vision.

Effects of Overexposure - Ingestion: No hazard in normal industrial use. Ingestion of large amounts of this material may cause nausea, vomiting, cyanosis (as a result of mat hemoglobin production), convulsions and coma. Ingestion may cause cramps and diarrhea.

Effects of Overexposure - Chronic Hazards: Difficulty breathing and respiratory problems.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, INHALATION, INGESTION

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#### **SECTION 4: FIRST AID MEASURES**

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First Aid - Eye Contact: Flush eyes immediately with water for at least 30 minutes or until irritation subsides. If irritation persists, consult a physician.

First Aid - Skin Contact: Wash contacted skin areas with soap and water. If irritation develops, consult a physician. Soaked clothing should be removed.

First Aid - Inhalation: In all cases, remove source of exposure. Inhalation is not likely to occur except as a mist. Remove patient to fresh air and consult a physician. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration.

First Aid - Ingestion: If swallowed, **do NOT induce vomiting**. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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#### **SECTION 5: FIRE FIGHTING MEASURES**

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FLASH POINT: >200° F  
(PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: N.A.  
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N.A.

EXTINGUISHING MEDIA: CO<sub>2</sub> DRY CHEMICAL FOAM

Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foam applied by manufacturer's recommended techniques on large fires.

Unusual Fire and Explosion Hazards: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Special Firefighting Procedures: Firefighters must be equipped with self-contained breathing apparatus (positive pressure) and turn out gear. Use water spray to cool containers exposed to flames. Immediately shut off ignition sources.

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#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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Steps To Be Taken In Case Material Is Released Or Spilled: Immediately contain spills with inert materials (e.g. sand, earth). (Use appropriate safety equipment). Contain large spills and pump into suitable tank. Wash area with suitable detergent and thoroughly rinse. Keep spectators away. Floor may be slippery; use care to avoid falling. Consult your "SPCC" plan. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

**\*Caution\*** Keep spills and cleaning runoff out of municipal sewers and open bodies of water. If exposed to material during clean-up operations, refer to **\*First Aid Measure\*** section for actions to follow. All local, state, and Federal regulations concerning health and pollution should be reviewed to determine appropriate approved disposal procedures to follow.

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## **SECTION 7: HANDLING AND STORAGE**

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Handling: Affix proper warning labels on containers in accordance with **\*\* 29 CFR 1910.1200 \*\***  
Wash thoroughly after handling.

Storage: Keep from freezing. Material may coagulate.

The minimum recommended storage temperature for this material is 1°C/34°F.

The maximum recommended storage temperature for this material is 50°C/122°F.

Store in well ventilated areas. Keep away from flames, sparks or hot surfaces. Never use a torch to cut weld on or near container. Empty oil containers may contain explosive vapors. Keep container closed when not in use.

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## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Hand Protection: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant material may not provide adequate protection.

**\*\* Neoprene \*\***

Respiratory Protection: None required under normal conditions. When mist exceeds the allowable limit found in SECTION 2 **\*Hazardous Ingredients\*** during spraying operations, wear MSHA/NIOSH-approved respirator (or equivalent).

Skin Protection: No Information.

Eye Protection: Use OSHA approved safety glasses with side shields and/or chemical splash goggles (ANSI Z87.1 or approved equivalent).

Other Protective Equipment: Facilities storing or utilizing this material should be equipped with an eyewash and safety shower facility.

Hygienic Practices: Remove and wash contaminated clothing before reuse. Wash hands before eating or smoking. Smoke in designated areas only.

Ventilation: Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGHI's TLV limit.

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## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING POINT:	>200°F	VAPOR DENSITY: No Data
ODOR:	Mild Petroleum	ODOR THRESHOLD: N.A.
APPEARANCE:	Amber	EVAPORATION RATE: No Data
SOLUBILITY IN H <sub>2</sub> O:	Complete	
FREEZE POINT:	32°F	SPECIFIC GRAVITY: 1.085
VAPOR PRESSURE:	Same as water	pH @ 100.0 %: ~9.0
PHYSICAL STATE:	Liquid	VISCOSITY: Water Thin
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.A.	

(See Section XVI for abbreviation legend)

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**SECTION 10: STABILITY AND REACTIVITY**

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Conditions to Avoid: Avoid excessive heat and strong oxidizers. In contact with readily oxidized materials, a fire or explosion may occur.

Incompatibility: Avoid strong oxidizers, strong acids and nitrates

Hazardous Decomposition Products: Thermal decomposition or burning may produce carbon mono/dioxides.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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**SECTION 11: TOXICOLOGICAL PROPERTIES**

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No product or component toxicological information is available.

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**SECTION 12: FEDERAL AND STATE REGULATIONS**

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Sara Hazard Categories:

Immediate (acute) Health Hazard:	NO	Pressure Sudden Release:	NO
Delayed (chronic) Health Hazard:	NO	Reactivity Hazard:	NO
Fire Hazard:	NO		

Sara Section 313 Notification:

Refer to **\*\* H A Z A R D O U S I N G R E D I E N T S \*\*** section  
and

**\*\* R E G U L A T O R Y I N F O R M A T I O N \*\*** section

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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Disposal Method: Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant LOCAL, STATE, and FEDERAL laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes.

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**SECTION 14: TRANSPORTATION INFORMATION**

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No transportation information is available.

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**SECTION 15: REGULATORY INFORMATION**

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U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD REACTION HAZARD

SARA SECTION 313:

This mixture or chemical trade-name product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
DIETHANOLAMINE	11-42-2	70.0 %

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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**SECTION 16: OTHER INFORMATION**

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HMIS RATINGS – HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1 Personal Protection: C

PREVIOUS MSDS REVISION DATE: 02/28/06

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Disclaimer of Liability

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