

MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Restore

PRODUCT CODE |

ISSUE DATE | 05-26-2011

EMERGENCY TELEPHONE NUMBERS

MANUFACTURER Chemblend International
STREET ADDRESS 46 Morton Street
CITY, STATE, ZIP Stoughton, MA 02072

Transportation: (800) 424-9300*
 * For spill, leak, fire or transport accident emergencies.
Product Information: (781) 344-8688

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	EXPOSURE LIMITS				
* -- (see note below)	CAS No.	% by wt.	OSHA PEL	ACGIH TLV	NIOSH REL
Lactic Acid	79-33-4	17-20	None	None	None

* -- Asterisk ingredients are those considered hazardous according to the criteria of 29 CFR 1910.1200.
 Other ingredients are listed for informational purposes to assist emergency medical response personnel.

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Irritating to eyes and skin. Risk of serious damage to eyes. May cause irritation of respiratory tract. May cause irritation of the mucous membranes.
POTENTIAL HEALTH EFFECTS	
INGESTION	Burns, vomiting, gastrointestinal disturbance.
INHALATION	Irritation, breathing difficulties, headache, dizziness.
EYE CONTACT	Severe irritation, blurred vision.
SKIN CONTACT	Irritation.

SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink one or two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION	Move to fresh air. If symptoms persist, call a physician.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. Get medical attention immediately.
SKIN CONTACT	Immediately flush skin with plenty of cool running water for at least 15 minutes. Wash with soap and water. Remove contaminated clothing and shoes; wash before reuse. If irritation develops or persists, get medical attention.
NOTE TO PHYSICIAN	Oxygen if needed. Avoid gastric lavage.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	>234 degrees F.	FLAMMABLE LIMITS	Not Determined
EXTINGUISHING MEDIA	If involved in a fire, foam, carbon dioxide, dry chemical or water.		
SPECIAL FIRE FIGHTING PROCEDURES	In the event of fire, wear self contained breathing apparatus. Standard procedure for chemical fires. Cool containers with water spray. Flash point >234 deg. F.		
FIRE AND EXPLOSION HAZARDS	Thermal decomposition can lead to release of irritating gases and vapors		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Small spills: Flush to sanitary sewer. Mop up residue and rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up on inert absorbent. Unused product as a waste is subject to disposal regulations US EPA 40 CFR 2 62.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Wear tight fitting safety glasses and rubber gloves. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a cool dry place. Keep from freezing.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Observe label precautions; use personal protective equipment. Avoid breathing mists or vapors of this product.
ENGINEERING CONTROLS	Local exhaust ventilation may be necessary during prolonged use conditions. Facilities using this product should be equipped with an eyewash station.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	Not required, except in case of aerosol formation. Avoid mists.
X	GOGGLES / FACE SHIELD	Chemical splash goggles Required; also use face shield if exposure is severe.
X	APRON	Recommended to protect skin and clothing during use.
X	GLOVES	Required; use PVC, Neoprene or Nitrile with long gauntlet or protective cuff.
X	BOOTS	Rubber if needed for cleaning up spills.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, colorless liquid	BOILING POINT	> 212 deg F
ODOR	Perfume	FREEZING POINT	Not established
pH	2.25-2.3 (100% concentrate)	VAPOR PRESSURE	Not established
SPECIFIC GRAVITY	1.100	VAPOR DENSITY	Not established
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not determined
FLASH POINT	> 234 degrees F.	VOC CONTENT	0.0%

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	Do not mix with anything but water. Do not mix with bleach, chlorinated detergents or sanitizers -- will cause hazardous vapors. Avoid high temperatures.					
INCOMPATIBILITY	Oxidizing agents, metals, acids and bases.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Carbon oxides. Thermal decomposition can lead to release of irritating gases and vapors.					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD VALUE	Not established					
ECOTOXICITY	Lactic acid is readily biodegradable, according to the appropriate OECD test.					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Product that cannot be used according to the label must be disposed of according to local and federal regulations. Containers may be triple rinsed, then offered for recycling or reconditioning; or puncture and dispose of in a sanitary landfill.								
RCRA CLASSIFICATION	NA								
RECYCLE CONTAINER		YES	X		CODE	1 – PETE		NO	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
DESCRIPTION	Not applicable					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
	KOSHER	
	SARA TITLE III MATERIAL	
	NSF REGISTERED	
X	EPA RECOGNIZED, DfE PROGRAM	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATIONS

1	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Chemblend International, LCC in connection with the use of this information.