



**MATERIAL SAFETY DATA SHEET**  
THE FLOOD COMPANY P O BOX 2535 HUDSON OHIO 44236-0035  
PH: 1-800-321-3444 FAX: 330-650-1453

RESTORA  
CLEAR EXTERIOR VINYL REVITALIZER  
SEMI-GLOSS

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**SECTION V - TRANSPORTATION DATA**

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DOT / IMDG / IATA - Not Regulated any size

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**SECTION VI - TOXICOLOGICAL PROPERTIES**

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**EFFECTS OF OVEREXPOSURE:**

**SKIN:** Prolonged or repeated contact with skin may cause some skin irritation depending on the individual's sensitivity but no serious dermatitis hazard is anticipated.

**EYE:** May cause mild eye irritation.

**INHALATION:** Prolonged or repeated inhalation may cause some irritation depending on the individual's sensitivity but no serious hazard is anticipated.

**SWALLOWING:** Swallowing small amounts of this product is not likely to cause harmful effects. Swallowing large amounts may be irritating to mouth, throat and stomach. Chronic ingestion of large amounts may be harmful

**None of the ingredients of this mixture are listed as a carcinogen or potential carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).**

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Avoid excessive skin contact.

PRIMARY ROUTE (S) OF ENTRY: ( X ) DERMAL ( X ) INHALATION ( X ) INGESTION ( X ) EYE

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**SECTION VII - FIRST AID PROCEDURES**

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**SKIN:** Wash affected area with soap and water

**EYE:** Flush immediately with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.

**INHALATION:** Remove victim to fresh air. Seek medical attention if symptoms persist.

**SWALLOWING:** If large amounts are swallowed or if irritation occurs, seek medical attention. Drink one or two glasses of water. Do not induce vomiting or give anything by mouth to an unconscious person.

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**SECTION VIII - REACTIVITY DATA**

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**STABILITY:** ( ) UNSTABLE ( X ) STABLE

**HAZARDOUS POLYMERIZATION:** ( ) MAY OCCUR ( X ) WILL NOT OCCUR

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**CONDITIONS TO AVOID:** Heat

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids and bases (caustic).

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**SECTION IX- SPILL OR LEAK PROCEDURES**

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Very small quantities can be wiped or swept up.

WASTE DISPOSAL METHOD: Dispose in accordance with all local, State, and Federal regulations.

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**SECTION X - PREVENTATIVE MEASURES**

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RESPIRATORY PROTECTION: Not needed with normal use.

VENTILATION: Normal room ventilation but if conditions cause vapors to accumulate, provide a mechanical exhaust.

PROTECTIVE GLOVES: Usually not needed, however, if prolonged contact is probable, use rubber or plastic gloves.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: None needed.

HYGIENIC PRACTICES: Wash hands with soap and water thoroughly after use.

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**SECTION XI - SPECIAL PRECAUTIONS**

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid excessive heat and cold.

OTHER PRECAUTIONS: None

**SECTION 313 - SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS#	Chemical Name	% by Weight
107-21-1	Ethylene Glycol	< 2.0

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Last update NA - New Product

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**RESTORA  
 EXTERIOR VINYL CLEANER**

<b>SECTION I - PRODUCT IDENTIFICATION</b>						
NAME	The Flood Company 1212 Barlow Road P.O. Box 2535 Hudson, Ohio 44236-0035 USA					
EMERGENCY TELEPHONE NO. TRANSPORTATION	800-321-3444 or your local poison control center Chemtrec @ (800) 424-9300 (24 hours)					
PRODUCT NAME PRODUCT CLASS	EXTERIOR VINYL WASH Cleaning liquid, water type					
DATE OF PREPATION/CHANGE PREPARED BY	11/1/04 Safety & Compliance Officer					
<b>SECTION II - HAZARDOUS INGREDIENTS</b>						
INGREDIENT	PER-CENT	OCCUPATIONAL EXPOSURE LIMIT		VAPOR PRESSURE	LD50 ORAL -RAT	LC50 IHL -RAT
Chemical Name Common Name		TLV	PEL			
Sodium Carbonate Soda Ash CAS # 497-19-8	<3	Not Available		Not Available	4090 mg/kg	2300 mg/kg
Ethyl Alcohol Ethanol CAS # 64-17-5	<1	1000 ppm	1000 ppm	40mm @ 19°F	7060 mg/kg	Not Available
Sodium Metasilicate Pentahydrate Sodium Silicate CAS # 6834-92-0	<5	Not Available		Not Available	1153 mg/kg	Not Available
<b>SECTION III - PHYSICAL DATA</b>						
BOILING RANGE	212 DEGREES F.					
VAPOR DENSITY	N/A					
EVAPORATION RATE	SLOWER THAN ETHER					
VOLATILE VOLUME	90%					
WEIGHT/GALLON	8.93 LBS/GAL					
PHYSICAL STATE	CLEAR LIQUID					
APPEARANCE & ODOR	PINE SCENT					
ODOR THRESHOLD	NOT AVAILABLE					
FREEZING POINT	32°F					
pH	11.78					
<b>SECTION IV - FIRE AND EXPLOSION HAZARD DATA</b>						
FLASH POINT: N/A	LEL: - N/A					

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EXTINGUISHING MEDIA: ( ) FOAM ( ) ALCOHOL FOAM ( ) CO2  
( ) DRY CHEMICAL (X) WATER FOG ( ) OTHER  
UPPER FLAMMABLE LIMIT: NOT AVAILABLE  
LOWER FLAMMABLE LIMIT: NOT AVAILABLE

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None are to be expected. Non-Flammable when in liquid state.

**SPECIAL FIREFIGHTING PROCEDURES:** Non-flammable in liquid state. It is recommended to wear SCBA when fighting any type of fire.

**SECTION V - TRANSPORTATION DATA**

DOT/ IMDG / IATA - NOT regulated any size.

**SECTION VI - TOXICOLOGICAL PROPERTIES**

**EFFECTS OF OVEREXPOSURE:**

**SKIN:** May cause irritation, and severe dermatitis in some cases.

**EYES:** Can cause severe irritation.

**INHALATION:** May be irritating to the nose, mouth, throat and lungs.

**SWALLOWING:** Can result in severe damage to tissue and mucous membranes.

**None of the ingredients of this mixture are listed as a carcinogen or potential carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).**

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:** Preexisting eye, skin and respiratory disorders.

**PRIMARY ROUTE (S) OF ENTRY:** (X) DERMAL (X) INHALATION (X) INGESTION (X) EYE

**SECTION VII- FIRST AID PROCEDURES**

**SKIN:** Immediately flush area with large amounts of water. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse.

**EYES:** Flush immediately with large amount of water for at least 15 minutes while holding eyelids open. Get medical attention.

**INHALATION:** Remove to fresh air. Get medical attention if symptoms persist.

**SWALLOWING:** Immediately drink large quantities of water. DO NOT induce vomiting. If vomiting occurs spontaneously. keep airway clear and give more water. **Get medical attention immediately.**

**SECTION VIII - REACTIVITY DATA**

**STABILITY:** ( ) UNSTABLE (X) STABLE

**HAZARDOUS POLYMERIZATION:** ( ) MAY OCCUR (X) WILL NOT OCCUR

**HAZARDOUS DECOMPOSITION PRODUCTS:** May form toxic materials such as carbon monoxide, carbon dioxide, alkaline fumes, etc.

**CONDITIONS TO AVOID:** Strong acids.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids.

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**SECTION IX - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Neutralize with a weak acid allow material to evaporate, scoop up dried salts into container.  
WASTE DISPOSAL METHOD: Dispose of in compliance with all federal, state, and local regulations.

**SECTION X - PREVENTATIVE MEASURES**

RESPIRATORY PROTECTION: Ventilation.  
VENTILATION: Use adequate ventilation.  
PROTECTIVE GLOVES: Rubber gloves.  
EYE PROTECTION: Safety goggles, splash protection. Splashes in eyes should be thoroughly rinsed with water, get medical attention.  
OTHER PROTECTIVE EQUIPMENT: Avoid skin contact. Rinse off splashes thoroughly with water.  
HYGIENIC PRACTICES: Wash hands with soap and water thoroughly after use.

**SECTION XI - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry place. Do not freeze.

**SECTION 313 - SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS#	Chemical Name	% by Weight
NONE	NONE	NONE

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Last update: NA – new product.