MATERIAL SAFETY DATA SHEET

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

Hullworks

SECTION I - PRODUCT IDENTIFICATION

NAME OF MANUFACTURER	The Flood Company 1212 Barlow Road P.O. Box 2535 Hudson, Ohio 44236-0035 U.S.A.
EMERGENCY TELEPHONE NO.	800-321-3444 or your local poison control center
TRANSPORTATION	Chemtrec 800-424-9300 (24 hours)
PRODUCT NAME	Hullworks
PRODUCT CLASS	Cleaning liquid, water-type
DATE OF PREPARATION/CHANGE	11/1/04
PREPARED BY	Safety & Compliance Officer

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT Chemical Name Common Name	PER-CENT	OCCUPATIONAL EXPOSURE LIMIT TLV	 PEL	VAPOR PRESSURE	LD50 ORAL-RAT	LC50 IHL - RAT
Ethandionic Acid, Dihydrate Oxalic Acid CAS # 144-62-7	<10	1mg/m3	1mg/m3	N/A	375 mg/kg	N/A

SECTION III - PHYSICAL DATA

BOILING RANGE	212 DEGREES F.
VAPOR DENSITY	N/A
EVAPORATION RATE	SLOWER THAN ETHER
VOLATILE VOLUME	86%
WEIGHT/GALLON	9.09 LBS/GAL
PHYSICAL STATE	LIQUID
APPEARANCE & ODOR	THICK BLUE, FRESH SOAP ODOR
ODOR THRESHOLD	NOT APPLICABLE
FREEZING POINT	$32^{o}F$
pH	1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A LEL: -N/A

EXTINGUISHING MEDIA: ( ) FOAM ( ) ALCOHOL FOAM (X) CO2
(X) DRY CHEMICAL (X) WATER FOG ( )

UPPER FLAMMABLE LIMIT: N/A

LOWER FLAMMABLE LIMIT: N/A

NOTE: Non-Flammable in liquid state.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NEVER use welding or cutting torch on/or near drum (even empty) as dry residue of oxalic acid can ignite explosively. Water may be used to cool unruptured containers.

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SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus with full face-piece operated in a pressure-demand or other positive pressure mode.

SECTION V - TRANSPORTATION DATA

DOT	Shipping Name:	Compounds, cleaning liquid (Oxalic Acid)
	UN Number:	NA 1760
	Hazard Class:	8
	Packing Group:	III

Consumer Commodity/ORM-D designation when packaged in containers of 1 gallon or less shipped by highway.

SECTION VI - TOXICOLOGICAL PROPERTIES

EFFECTS OF OVEREXPOSURE:

SKIN: Can cause severe irritation, severe dermatitis, and burns.
EYES: Can cause severe irritation or burns.
INHALATION: May be irritating to the nose, mouth and lungs. May cause burns to the respiratory tract which can result in shortness in breath, wheezing, choking, chest pain, and impairment of lung function.
SWALLOWING: Can cause severe irritation and burns. Results in severe damage to tissue and mucous membranes including burns of the mouth, throat, stomach and entire gastrointestinal tract. May be fatal if swallowed.

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 amounts of water for at least 15 minutes while holding eyelids open. Get medical attention.
SWALLOWING: Immediately drink large quantities water. DO NOT induce vomiting. DO not give anything by mouth if the person is unconscious or having convulsions. **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 as carbon monoxide, carbon dioxide, acid fumes, etc..
CONDITIONS TO AVOID: Strong alkalis.

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INCOMPATIBILITY (MATERIALS TO AVOID): Contact with strong alkalis e.g., NaOH, NH4OH, bleaching materials.

SECTION IX- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Cover with soda ash. Mix and scoop into container of water.
WASTE DISPOSAL METHOD: For disposal guidance of unused amount contact your household refuse collection service or local or state government environmental control agency.

SECTION X - PREVENTATIVE MEASURES

RESPIRATORY PROTECTION: None required.
VENTILATION: Provide sufficient ventilation.
PROTECTIVE GLOVES: Rubber gloves.
EYE PROTECTION: Safety goggles with side shields when spraying or where splashing is likely.
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 cool, dry place.
OTHER PRECAUTIONS: 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

This information is furnished without warranty, except it is accurate to the best of The Flood Company's knowledge or obtained from sources believed to be accurate. This information is not to be construed as representation for which The Flood Company assumes legal responsibility expressed or implied.

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