

**SECTION 1 IDENTIFICATION****Company Name** The McGregor Company**Address** P.O. Box 740**City, State, Zipcode** Colfax, WA 99111**Phone Numbers** 1-509-878-1861**Website** www.mcgregor.com**24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)**

1-800-424-9300

**Poison Control Center (USA)**

1-800-222-1212

**Product Identity** Flashpoint**Reference/Item Number** MCGFP02, MCGFP30, MCGFP265**Intended Use** Water conditioner and buffer for herbicides**Application Method** See technical data sheet.**SECTION 2 HAZARD(S) IDENTIFICATION**

Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:

**[EYE DAMAGE 1]:****H318:** Causes serious eye damage.**[SKIN IRRITANT 2]:****H315:** Causes skin irritation.**[AQUATIC CHRONIC 2]:****H411:** Toxic to aquatic life with long-lasting effects.**[PREVENTION]:****P273:** Avoid release to the environment.**P264:** Wash thoroughly after handling.**P270:** Do not eat, drink or smoke when using this product.**P280:** Wear protective gloves/eye/face protection.**[RESPONSE]:****P302+352:** If on skin: Wash with plenty of soap and water.**P305+351+338:** If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.**P310:** Immediately call a poison center or doctor/physician.**P362:** Take off contaminated clothing and wash before reuse.**P391:** Collect spillage.**[STORAGE]:****P401:** Store containers upright when not in use and protect against physical damage. Do not freeze. Do not reuse empty containers.**P402+404:** Store in a dry place. Store in a closed container.**P420:** Store away from other materials (alkaline).**[DISPOSAL]:****P501:** Dispose of contents/container in accordance with local/national regulations.**HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)****DANGER****SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

This product is labeled with the following GHS classifications, as it contains substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend and the ingredients and mixture percentages are being withheld as confidential business information.

Ingredient/Chemical Designations	Weight %	CAS Number	GHS Classification	Notes
Proprietary blend of water conditioners and buffers	100	Proprietary*	Skin Irrit. 2; H315 / Eye Dam. 1; H318 / Aquatic Chronic 2; H411	[1] [2]

\* CAS Number 61791-26-2: Contains amine, tallow, ethoxylated

\*CAS Number 21351-39-3: Contains monocarbamide dihydrogen sulfate

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long-lasting effects.

## SECTION 4 FIRST AID MEASURES

### [DESCRIPTIONS]:

- General:** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eyes:** Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
- Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion:** If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### [OVERVIEW—MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED]:

- Eyes:** Causes serious eye damage.
- Skin:** Causes skin irritation.

## SECTION 5 FIRE FIGHTING MEASURES

- Extinguishing Media:** Use dry chemical, foam, water spray or waterfog or carbon dioxide to extinguish fire. Water- fog or alcohol-type or all-purpose-type foam water spray may be used to cool fire-exposed containers, structures and to protect personnel.
- Special Hazards:** Can be dangerous when exposed to extreme heat and flame. Can vigorously decompose under high temperature conditions (>230F, 110 C) to release carbon dioxide gas. Responders should consider the need for evacuation based on emitted decomposition products. Flammable hydrogen may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.
- Advice For Firefighters:** Evacuate area. Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus. Use water-spray to cool fire exposed surfaces and personnel.
- ERG Guide No.** ----

## SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment and Emergency Procedures:** Remove sources of ignitions, do not turn lights, or unprotected electrical equipment, on or off. In case of a major spill, or spillage in a confined space, evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit (LEL) before re-entering.
- Environmental Precautions:** Do not allow spills to enter drains or water courses.
- Methods and Material For Containment and Cleaning Up:** Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in Section 8. Contain and absorb spillage with non-combustible materials (e.g. sand/earth/vermiculite). Place in closed containers outside buildings and dispose of according to the Waste Regulations (see Section 13.) Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or water courses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams, or lakes, the Environmental Protection Agency should also be informed.

## SECTION 7 HANDLING AND STORAGE

- Precautions For Safe Handling:** Handle containers carefully to prevent damage and spillage. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Wear protective equipment. Personnel handling this material should be well trained in the use of personal protective equipment, safe handling methods, potential hazards and first aid requirements. AVOID contact with skin or eyes. Ensure that an eyewash station and safety shower is near place of use. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated. See Section 2 for further details [PREVENTION].
- Conditions For Safe Storage:** Store away from incompatible materials. See Section 2 for further details [STORAGE].
- Incompatible Materials:** Alkaline materials such as aluminum, tin, lead, zinc.
- Specific End Use(s):** Water conditioner and buffer for herbicides.

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

**Exposure Data:** Ingredients with established limits for exposure are listed below:

CAS No.	Ingestion	Source	Value
0000056-81-5	Glycerol	OSHA	TWA 15mg/m3 (total) / TWA 5mg/m3 (resp)
		ACGIH	TWA: 3mg/m3 (resirable) 10mg/m3 (mist)
		NIOSH	No established RELs
0000071-36-3	Butan-1-ol	OSHA	TWA 100 ppm (300 mg/m3)
		ACGIH	TWA 15 ppm ceiling: 30 ppm
		NIOSH	C 50 ppm (150 mg/m3) [skin]

**Carcinogen Data:** This product contains no ingredients that are suspected of being or known to be a carcinogen under OSHA, NTP, and/or IARC at greater than 0.1%.

**[EXPOSURE CONTROLS]:**

**Respiratory:** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes:** Wear safety eyewear (e.g. safety spectacles/goggles/visors) to protect against the splash of liquids.

**Skin:** Overalls, which cover the body, arms, and legs, should be worn. Skin should not be exposed. All parts of the body should be washed after contact.

**Engineering Controls:** Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates, and any vapor below occupational exposure limits, suitable respiratory protection must be worn.

**Other Work Practices:** No data available. See Section 2 for further details [PREVENTION].

**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear golden yellow liquid

**Upper Flammability Limits:** Upper Explosive Limit: Not measured

**Odor:** Fatty

**Lower Flammability Limits:** Lower Explosive Limit: Not measured

**Odor Threshold:** Not measured

**Vapor Pressure (Pa):** Not measured

**pH:** 2.5-3.5

**Vapor Density:** Heavier than air

**Melting/Freezing Points (°C):** Not measured

**Solubility in Water:** Soluble

**Initial Boiling Point/Range (°C):** No Established Limit (C) / No Established Limit (F)

**Partition Co-efficient n-octanol/water (Log Kow):** Not measured

**Flash Point:** >94°C / >200°F Tagged Closed Cup (TCC)

**Auto-Ignition Temperature (°C):** Not measured

**Evaporation Rate (Ether=1):** Not measured

**Decomposition Temperature:** Not measured

**Flammability (Solid, Gas):** Not applicable

**Viscosity (cSt):** Not measured

**Specific Gravity @ 20°C** 1.2-1.3

**VOC %:** Not measured

**Other Information:** No other relevant information.

**SECTION 10****STABILITY AND REACTIVITY**

**Reactivity:** Incompatible with alkaline materials such as aluminum, tin, lead, and zinc. Reaction with incompatible metals will release dangerous hydrogen gas. Thermal decomposition in the presence of air produces oxides of carbon, nitrogen, phosphorus and sulfur.

**Chemical Stability:** Stable under normal handling conditions.

**Hazardous Reactions:** Incompatible with alkaline materials such as aluminum, tin, lead, and zinc. Reaction with incompatible metals will release dangerous hydrogen gas. Thermal decomposition in the presence of air produces oxides of carbon, nitrogen, phosphorus and sulfur.

**Conditions To Avoid:** Alkaline materials. Extreme heat/open flames/sparks, and sources of ignition.

**Incompatible Materials:** Alkaline materials.

**Hazardous Decomposition Prod.:** Hydrogen gas. Oxides of carbon, nitrogen, phosphorus and sulfur.

**SECTION 11****TOXICOLOGICAL INFORMATION**

**Acute Toxicity:**

Ingredients	Oral LD50 mg/kg	Skin LD50mg/kg	Inhalation Vapor/Dust/Mist LD50mg/L/4hr
Proprietary blend	>5,000.00 (rat); Category: NA	>5,000.00 (rabbit); Category: NA	No data available

**Category --:** Item: Acute Toxicity (mouth) / Hazard: Not applicable.

**Category --:** Item: Acute Toxicity (skin) / Hazard: Not applicable.

**Category --:** Item: Acute Toxicity (inhalation) / Hazard: Not applicable.

**Category 2:** Item: Skin Corrosion/Irritation / Hazard: Causes skin irritation.

**Category 1:** Item: Eye Damage/Irritation / Hazard: Causes serious eye damage.

**Category --:** Item: Sensitization (respiratory) / Hazard: Not applicable.

**Category --:** Item: Sensitization (skin) / Hazard: Not applicable.

**Category --:** Item: Germ Toxicity / Hazard: Not applicable.

**Category --:** Item: Carcinogenicity / Hazard: Not applicable.

**Category --:** Item: Reproductive Toxicity / Hazard: Not applicable.

**Category --:** Item: Specific Target Organ Systemic Toxicity (single exposure) / Hazard: Not applicable.

**Category --:** Item: Specific Target Organ Systemic Toxicity (repeated exposure) / Hazard: Not applicable.

**Category --:** Item: Aspiration Hazard / Hazard: Not applicable.

## SECTION 12 ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Acute toxicity. No additional information provided for this product. See Section 3 for chemical specific data.
<b>Aquatic Ecotoxicity:</b>	This product is expected to be toxic to the aquatic environment with long-lasting effects. Amines, tallow alkyl, ethoxylated.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>Results of PBT and vPvB Assess:</b>	This product contains no PBT/vPvB chemicals.
<b>Other Adverse Effects:</b>	No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:** Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

## SECTION 14 TRANSPORT INFORMATION

<b>UN Number:</b>	UN 1760	
<b>UN Proper Shipping Name:</b>	UN 1760 Corrosive Liquids, N.O.S. (contains monocarbamide dihydrogen sulfate), 8,9 Marine Pollutant (amines, tallow alkyl, ethoxylated)	
	<b>NOTE: DOT corrosive to aluminum. Not regulated if transported by motor vehicle or railcar in packaging that will not react dangerously or be degraded by this material 49 CFR 173.154(D).</b>	
<b>Transport Hazard Class(es):</b>	<b>DOT (Domestic Surface Transportation):</b>	<b>IMO/IMDG (Ocean Transportation) and IATA (Air Transportation):</b>
	DOT Proper Shipping: See UN Proper Shipping Name above	IMDG/IATA Proper Shipping Name: See UN Proper Shipping Name above
	DOT Hazard Class: 8	IMDG/IATA Hazard Class: 8, 9
	DOT Label: 8	Sub Class: Not applicable
	UN/NA Number: 1760	IMDG/IATA Packing Group: III
	DOT Packing Group: III	
<b>Special Precautions For User:</b>	Not applicable	
<b>Transport:</b>	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable	
<b>Environmental Hazards IMDG:</b>	Marine Pollutant: Yes. (Amines, tallow alkyl, ethoxylated)	
<b>Packing Group:</b>	Not applicable	

## SECTION 15 REGULATORY INFORMATION

<b>Regulatory Overview:</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) inventory or are not required to be listed on the TSCA inventory.
<b>WHMIS Classification:</b>	D2B E
<b>US EPA Tier II Hazards:</b>	Fire: No / Sudden Release of Pressure: No / Reactive: No / Immediate (acute): Yes / Delayed (chronic): No
<b>EPCRA 311/312:</b>	Chemicals and RQs (>0.1%): Butan-1-ol (5,000.00), Ethylene glycol (5,000.00)
<b>EPCRA 302:</b>	Extremely Hazardous (>0.1%): No product ingredients listed
<b>EPCRA 313:</b>	Toxic Chemicals (>0.1%): Butan-1-ol, Ethylene glycol
<b>Proposition 65:</b>	Carcinogens (>0.0%): 1-4 dioxane
<b>Proposition 65:</b>	Developmental Toxins (>0.0%): No product ingredients listed
<b>Proposition 65:</b>	Female Repro Toxins (>0.0%): No product ingredients listed
<b>Proposition 65:</b>	Male Repro Toxins (>0.0%): No product ingredients listed
<b>N.J. RTK Substance (&gt;1%):</b>	Butan-1-ol, Glycerol
<b>Penn RTK Substances (&gt;1%):</b>	Butan-1-ol, Glycerol

## SECTION 16 OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.