

# SAFETY DATA SHEET

Date Prepared : 1/20/2015

SDS No : IPG

## Impregnator H2O

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Impregnator H2O

**GENERAL USE:** Repels and protects concrete and other hard surfaces from water and oil stains.

**PRODUCT DESCRIPTION:** Water and Oil Stain Repellant

**PRODUCT CODE:** IPG

**CHEMICAL FAMILY:** Fluorochemical/solvent blend

#### MANUFACTURER

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Irritation, Category 2B

Skin Irritation, Category 2

##### Physical:

Combustible Liquid, Category 4

#### GHS LABEL



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H320: Causes eye irritation.

H315: Causes skin irritation.

H227: Combustible liquid.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash thoroughly after handling.

P261: Avoid breathing mist/vapours/spray.

P102: Keep out of reach of children.

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

##### Response:

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P330: Rinse mouth.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P370+P378: In case of fire: Use dry chemical, alcohol-resistant foam for extinction.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

**Disposal:**

P501: Dispose of contents/container in accordance with local, state and federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Light amber liquid

**IMMEDIATE CONCERNS:** Eye & Skin irritant

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact causes eye irritation.

**SKIN:** May be mildly irritating with prolonged or repeated contact.

**SKIN ABSORPTION:** Harmful if absorbed through skin.

**INGESTION:** Harmful if swallowed.

**INHALATION:** High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches)

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** No listed substance

**CARCINOGENICITY:** No listed substance

**MUTAGENICITY:** No listed substance

**ROUTES OF ENTRY:** Eye, skin, ingestion, Inhalation.

**TARGET ORGAN STATEMENT:** No known significant effects or critical hazards.

**CANCER STATEMENT:** None

**WARNING CAUTION LABELS:** Irritant

**PHYSICAL HAZARDS:** Combustible material.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Fluorophosphate Ester	0 - 5	N/A
Ethylene glycol butyl ether	0 - 2	111-76-2
Diethylene Glycol Methyl Ether	0 - 2	111-77-3
Isopropanol	0 - 5	67-63-0
Water	90 - 95	7732-18-5

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, tearing, redness, swelling.

**SKIN:** Prolonged contact may cause irritation marked by redness, slight burning sensation.

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE TOXICITY:** Not Established

**CHRONIC EFFECTS:** Not Established

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** IIIA (140-200F)

**GENERAL HAZARD:** Combustible Liquid

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide from combustion

**EXPLOSION HAZARDS:** Fire exposed containers may burst due to increased pressure from heat.

**FIRE FIGHTING PROCEDURES:** Use an extinguishing agent suitable for surrounding fire.

**FIRE FIGHTING EQUIPMENT:** No special requirements.

**SENSITIVE TO STATIC DISCHARGE:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**RELEASE NOTES:** Eliminate all ignition sources. Ventilate area well.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Store in closed container away from heat, spark or open flame.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethylene glycol butyl ether	TWA	50	240	20	97	NL	NL
	STEL					NL	NL
Diethylene Glycol Methyl Ether	TWA					30	
Isopropanol	TWA	400	980	200	490	NL	NL
	STEL			400	960	NL	NL

**ENGINEERING CONTROLS:** Use in well ventilated area.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Chemical splash goggles.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Solvent, characteristic

**ODOR THRESHOLD:** Not Established

**COLOR:** Colorless

**pH:** 8.0 to 9.0

**PERCENT VOLATILE:** >90

**FLASH POINT AND METHOD:** 62.22°C (144°F) Tag Closed Cup (TCC)

**FLAMMABLE LIMITS:** 4.0 to 10.6

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** ~ 1 mm Hg at 20°C (68°F)

**VAPOR DENSITY:** ~ 1 Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:** 32° F; 0° C

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Dispersable

**EVAPORATION RATE:** (Water =1) <1.0

**DENSITY:** 8.32 at 20°C (68°F)

**SPECIFIC GRAVITY:** ~ 0.997 grams/ml.

**VISCOSITY:** Water thin.

**(VOC):** 7.580 % by weight

**10. STABILITY AND REACTIVITY**

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable under normal storage and use conditions.

**CONDITIONS TO AVOID:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Ethylene glycol butyl ether	1300 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 3.1 mg/l
Diethylene Glycol Methyl Ether	> 7000 mg/kg (rat)	20420 mg/kg (rabbit)	
Isopropanol	5045 mg/kg (rat)	12800 mg/kg (rabbit)	16000 ppm

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** Not Established

**SKIN ABSORPTION:** Not Established

**ORAL LD<sub>50</sub>:** Not Established

**INHALATION LC<sub>50</sub>:** Not Established

**EYE EFFECTS:** Moderate to severe eye irritant.

**SKIN EFFECTS:** Moderate skin irritant.

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Ethylene glycol butyl ether	No listed substance	Group 3 - Not classifiable as to its carcinogenicity to Humans	No listed substance

### IARC:

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

**IRRITATION:** Irritant

**CORROSIVITY:** NA = Not Applicable

**SENSITIZATION:** No products were found.

**NEUROTOXICITY:** Central nervous system effects marked by dizziness, headache, nausea, unconsciousness.

**GENETIC EFFECTS:** No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TARGET ORGANS:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** Not Available

**AQUATIC TOXICITY (ACUTE):** Not Established

**96-HOUR LC<sub>50</sub>:** Not Established

**96-HOUR EC<sub>50</sub>:** Not Established

**Notes:** Not Established

**CHEMICAL FATE INFORMATION:** This product is biodegradable.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Small amounts (less than 1 gallon) may be diluted with copious amounts of water and disposed of into sanitary sewer.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Small quantities (less than 1 gallon) of used material may be flushed to sanitary sewer with copious amounts of water. Larger quantities must be disposed of by a licensed disposal company.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** No special requirements.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated (for US domestic shipment only)

**PLACARDS:** NA = Not Applicable

**LABEL:** No special requirements.

**OTHER SHIPPING INFORMATION:** None

#### AIR (ICAO/IATA)

**SHIPPING NAME:** Contact manufacturer for more information.

#### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Contact manufacturer for more information.

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

##### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Health - Acute

**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** 2-butoxyethanol 111-76-2 (Category: N230 Certain Glycol Ethers)

##### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Ethylene glycol butyl ether	0 - 2	111-76-2

##### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** No listed substance

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Ethylene glycol butyl ether	Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance
Isopropanol	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance

**CALIFORNIA PROPOSITION 65:** No listed substance

**CARCINOGEN:**

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

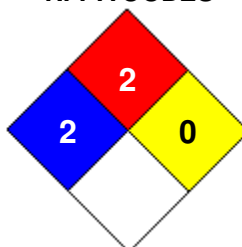
**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Department

**Date Prepared:** 1/20/2015

**HMIS RATING**

HEALTH		2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

**NFPA CODES**

**MANUFACTURER DISCLAIMER:** This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.