

M A T E R I A L   S A F E T Y   D A T A   S H E E T

VIGON INTERNATIONAL INC.  
AIRPORT ROAD  
EAST STROUDSBURG, PA 18301

| HMIS HAZARD  
| CLASSIFICATION  
|  
| HEALTH = 1  
| FLAMMABILITY = 1  
REACTIVITY = 0

FOR CHEMICAL EMERGENCY DURING TRANSPORTATION ONLY

CALL INFOTRAC 1-800-535-5053 WITHIN THE U.S.A.  
CALL INFOTRAC 352-323-3500 FOR INTERNATIONAL SHIPMENTS

24 HRS PER DAY, 7 DAYS PER WEEK

I. PRODUCT IDENTIFICATION

-----  
ITEM#: H-00636

PRODUCT NAME: HYDROGRAL M

CAS #: 8050-15-5

FORMULA: RESIN

II. COMPOSITION OR INFORMATION ON INGREDIENTS

-----  
Vigon International, Inc. regards the identity of the individual components of this product to be proprietary information which is being withheld in accordance with Trade Secret provisions of 29CFR 1910.1200. Certain of the ingredients included may be classified as health hazards, the effects of which would be presumed to be mitigated in the mixture.

Product and/or component(s) carcinogenic at 0.1% or greater according to OSHA, IARC, NTP, or Other: NO

III. HAZARD IDENTIFICATION

-----  
POTENTIAL HEALTH EFFECTS...

PRIMARY ROUTES OF EXPOSURE: Eyes, Skin

EFFECTS OF EXPOSURE: May be irritating to the skin and eyes.

Prolonged contact, as with clothing wetted with material, may cause

more severe irritation and discomfort. Vapors or mist, in excess of permissible concentration, or in unusually high concentration generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the throat and nose, headache, nausea and drowsiness.

#### IV. EMERGENCY AND FIRST AID PROCEDURES

---

**INHALATION EXPOSURE:** If headache, irritation, nausea, or drowsiness occurs, remove to fresh air and call a physician.

**EYE CONTACT:** Remove contact lenses. Flush eyes with cool water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eyes and lids. Call a physician.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin with mild soap and water. If irritation or any other symptoms occur, call a physician.

**INGESTION:** If patient is conscious and can swallow, administer water and call a physician or poison control center immediately. Do not induce vomiting.

**OTHER INSTRUCTIONS:** None.

#### V. FIREFIGHTING MEASURES

---

**FLASH POINT (CC, F):** >200

**RECOMMENDED FIRE EXTINGUISHING MEDIA:** Carbon-dioxide, foam, or dry chemicals.

**RECOMMENDED PROTECTIVE EQUIPMENT FOR FIREFIGHTERS AND SPECIAL PROCEDURES:** Use of self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires. Protective clothing is recommended. Prevent contact with skin and eyes. Cool fire exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustible liquid. Avoid heat, sparks, and open flames.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, fumes.

**HAZARDOUS POLYMERIZATIONS:** None occurs.

#### VI. ACCIDENTAL RELEASE MEASURES

---

**PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE, OR LEAKAGE:** Ventilate area. Avoid breathing vapor. Avoid contact with skin, eyes and clothing. Pressure demand air supplied respirators should always

be worn when the airborne concentration of the contaminant or oxygen is unknown. Otherwise, wear NIOSH approved respiratory protection and other personal protective equipment as appropriate for the potential exposure hazard. Remove any sources of flame or sparks. Contain spill if possible. Absorb spill with vermiculite or other suitable absorbant material. Shovel up material and place in approved disposal container. Dispose of in accordance with current local, state, and federal laws and regulations.

#### VII. HANDLING AND STORAGE INFORMATION

---

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Avoid breathing vapors. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

**STORAGE:** Keep tightly closed. Store in cool dry place under cover and stored below 25/35°C.

#### VIII. EXPOSURE CONTROLS AND PROTECTION INFORMATION

---

**THRESHOLD LIMIT VALUE (TLV):** Not established.

**OSHA PERMISSIBLE EXPOSURE LIMIT (PEL):** Not established.

**RESPIRATORY PROTECTION:** Usually not required.

**VENTILATION:** Mechanical (General) - meeting ACGIH standards.

**PROTECTIVE GLOVES:** Rubber gloves.

**EYE PROTECTION:** Safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** Safety shower, eye wash.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

---

**APPEARANCE:** Viscous, yellow resin.

**ODOR DESCRIPTION:** Characteristic odor.

**BOILING POINT:** Not applicable

**VAPOR PRESSURE (mm Hg @ 20° C):** Not found

**VAPOR DENSITY (AIR = 1):** Not found

**SPECIFIC GRAVITY @ 25 C (WATER = 1):** 1.03 @ 20°C

**SOLUBILITY IN WATER:** Insoluble

#### X. STABILITY AND REACTIVITY

---

**CONDITIONS/MATERIALS TO AVOID:** Normally stable under proper conditions. Avoid excessive heat, open flames, or other sources of ignition. Avoid contact with strong acids, alkalies, and/or oxidizing

agents.

#### XI. TOXICOLOGICAL INFORMATION

---

*Acute toxicity:*

*LD/LC50 values relevant for classification:*

*LD50 Oral (rat): > 2000 mg/kg  
OECD 401*

*Primary irritant effect:*

- on the skin: May cause slight irritation by prolonged skin contact.  
Consumer applications that involve intimate skin contact  
should be evaluated by appropriate tests.*
- on the eye: Irritant effect possible through eye contact.*

*Additional toxicological information:*

*Prolonged or repeated exposure to vapours/fumes generated by heating  
this product may cause respiratory irritation with throat discomfort,  
coughing or breathing difficulty.*

*CMR effects (carcinogenicity, mutagenicity and toxicity for  
reproduction)*

*Ames test (OECD 471): no mutagenic effect.*

#### XII. ECOLOGICAL INFORMATION

---

*Information about elimination (persistence and degradability): Not  
readily biodegradable (OECD 301B).*

*Ecotoxicological effects:*

*Aquatic toxicity:*

*8050-15-5 Resin acids and Rosin acids, hydrogenated, Me esters*

*EL50 (48h): > 100 mg/l (Daphnia magna)  
OECD 202*

*EL50 (72h): > 1000 mg/l (Selenastrum capricornutum)  
OECD 201*

*LL50 (96h): > 1000 mg/l (Pimephales promelas)  
OECD 203*

#### XIII. DISPOSAL CONSIDERATION

---

*WASTE DISPOSAL METHOD: Under RCRA, it is the responsibility of the*

user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

XIV. TRANSPORTATION INFORMATION

-----  
TRANSPORTATION BY GROUND, AIR OR VESSEL: NOT REGULATED  
SEGREGATION: Usual precautions for combustible liquids.

XV. REGULATORY INFORMATION

-----  
This substance contains no materials subject to the reporting requirements of SARA TITLE III SECTION 313.

XVI. OTHER INFORMATION

-----  
Containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations. "Empty" drums should not be given to individuals. Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive material. Cutting or welding of empty containers may cause fire, explosion, or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep containers closed and drum bungs in place.

\*\*\* DISCLAIMER \*\*\*

-----  
THE INFORMATION IN THIS MSDS WAS OBTAINED FROM CURRENT AND REPUTABLE SOURCES. THIS DATA IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS CORRECTNESS OR ACCURACY. IT IS THE USER'S RESPONSIBILITY BOTH TO DETERMINE SAFE CONDITIONS FOR USE OF THIS PRODUCT AND TO ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE, OR, EXPENSE RESULTING FROM IMPROPER USE OF THIS PRODUCT.

LAST REVISED: 12/31/09

DATE PRINTED: 07/19/10