

# HARLAN INTERNATIONAL MATERIAL SAFETY DATA SHEET

## HARLAN – HYDROXYPROPYL GUAR

### SECTION 1 :=====IDENTIFICATION=====

Effective Date: 06/01/13

Revised: 06/01/13

Name and Address:

Phone: (214)-449-7807

Emergency Phone: CHEMTREC (800)-424-9300

HARLAN INTERNATIONAL, INC.

14 SOUTH HOLLAND ROAD

MANSFIELD, TX. 76063

Chemical Name: NOT APPLICABLE

Synonyms: SMHPG

D.O.T. Hazard Class: PRODUCT IS NOT DOT REGULATED

D.O.T. Shipping Name: PRODUCT IS NOT DOT REGULATED

Formula: SEE SECTION II

Chemical Family: N.A.

ID No.: NONE

NFPA Profile: Health 1; Flammability 0; Reactivity 0

### SECTION 2 :=====INGREDIENTS=====

Components	CAS Number	Approximate (%) by Wt.
Hydroxypropyl guar	39421-75-5	>90%
Water	7732-18-5	<10%

### SECTION 3 :=====HAZARD IDENTIFICATION=====

#### Potential Acute Health Effects:

**Primary Entry Routes:** Swallowed, Inhalation, Eye Contact

**Inhalation:** Negligible at short term exposure to low levels dust. Long term inhaled high concentrations of dust can be irritating to the upper respiratory tract.

**Eyes:** May cause slight irritation inflammation. Direct contact should be avoided to prevent physical damage.

**Skin:** No known acute effects of this product resulting from skin contact, but it will be an irritant to the damaged skin and cause inflammation, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

**Swallowed:** The product is expected harmful if ingested. Ingestion will irritate the mouth and digestive tract. After ingestion, possible effects include vomiting, fever, abdominal pain and/or loss of appetite.

Potential Chronic Health Effects:

**CARCINOGENIC EFFECTS:** Not Available

**MUTAGENIC EFFECTS:** Not Available

**TERATOGENIC EFFECTS:** Not Available

**DEVELOPMENTAL EFFECTS:** Not Available

**Repeated or prolonged exposure is not known to aggravate medical condition.**

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### SECTION 4 :=====FIRST AID MEASURES=====

**Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.**

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

**Medical conditions aggravated by exposure:** No medical conditions are known to be aggravated by this product.

**Notes to Physician:** None

### SECTION 5 :=====FIRE FIGHTING MEASURES=====

**General Information:** As in any fire, wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Non-combustible substance. It does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

**Flammable Class:** 0

**Suitable extinguishing media:** Water, CO2, Dry Chemicals, Foam-Fog

**Fire/Explosion Hazards:** Negligible fire hazard when exposed to heat or flame.

**Fire Fighting Procedure:** Wear self-contained breathing apparatus meeting NIOSH standards.

**Other Information:** Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to products of combustion exists.

### SECTION 6 :=====ACCIDENTAL RELEASE MEASURES=====

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

### SECTION 7 :=====HANDLING AND STORAGE=====

**Handling:** Removal of mobile products needs to wear protective gloves when products for the brittle materials, handled with care when handling. Apply good manufacturing practice and industrial hygiene practices. Observe good personal hygiene and do not eat, drink or smoke while handling. Wear protective goggles when handling materials. Observe all warnings and precautions listed for the product.

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**Storage:** Store in a cool and dry area away from heat sources and protected from light, stored in a relatively stable area. Avoid all dust formation and control ignition sources. Keep air contact to a minimum

**Further Information about storage condition:** None

### SECTION 8 :=====EXPOSURE CONTROLS/PERSONAL PROTECTION=====

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.

**Personal Protection:** Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Protective Gloves:** Rubber or plastic with elbow-length gauntlet.

**Eye Protection:** Generally unnecessary. When needed, wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Health Measures:** Local exhaust ventilations may be necessary for some operations.

**PEL (OSHA):** None Established

**TLV (ACGIH):** None Established

### SECTION 9 :=====PHYSICAL & CHEMICAL PROPERTIES=====

**Form:** Solid Powder

**Color:** Milky or Pale Yellow

**Odor:** Odorless

**Melting Point:** Not Available

**Self-igniting:** Product is not self-igniting

**Density:** <1

**Vapor Density:** Not Available

**Evaporation Rate:** Not Available

**Solubility (water):** Soluble

**pH:** 6.5 – 7.5

### SECTION 10 :=====STABILITY & REACTIVITY=====

**Chemical Stability:** Stable under normal temperatures and pressures.

**Decomposition Products:** The following combustion products may be generated; carbon dioxide, carbon monoxide, water vapor and trace volatile organic compounds.

**Material Incompatibility:** Not Available

**Hazardous Polymerization:** Will not occur

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### SECTION 11 :=====TOXICOLOGICAL INFORMATION=====

**LD50:** Not Available

**LC50:** Not Available

**Other Toxic Effects on Humans:** Not Available

**Special Remarks on Toxicity to Animals:** Not Available

**Special Remarks on Chronic Effects on Humans:** Not Available

**Special Remarks on Toxic Effects on Humans:** Not Available

### SECTION 12 :=====ECOLOGICAL INFORMATION=====

**Ecotoxicity:** Not Available

**Products of Biodegradation:** No hazardous short term degradation products are likely.

**Water Danger/Protection:** Water hazard class 1 (German regulation) (self-assessment): slightly hazardous for water.

### SECTION 13 :=====DISPOSAL CONSIDERATIONS=====

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Waste Disposal Methods:** Disposal must be done as territory and/or local government regulations.

**Disposal of Packaging:** Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

### SECTION 14 :=====TRANSPORT INFORMATION=====

**DOT Classification:** Not a DOT controlled material (United States)

**UN Number:** Not Available

**Packing Group:** Not Available

**Special Provisions for Transport:** Not Applicable

**Marine Pollutant:** Yes

**TDG Classification:** Not controlled under TDG (Canada)

**ADR/RID Classification:** Not controlled under ADR (Europe)

**IMO/IMDG Classification:** Not controlled under IMDG

**ICAO/IATA Classification:** Not controlled under IATA.

### SECTION 15 :=====REGULATORY INFORMATION=====

#### US FEDERAL

**TSCA:** Not listed on the TSCA inventory.

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**Health & Safety Reporting List:** None of the chemicals are on the health & safety reporting list  
**CERCLA Hazardous Substances and Corresponding RQ's:** None of the chemicals in this material have a RQ.

**Chemical Test Rules:** None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b:** None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.

**SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a TPQ

**Section 313:** No chemicals are reportable under Section 313.

**OSHA:** None of the chemicals in this product are considered hazardous by OSHA

### CALIFORNIA PROP 65

**California No Significant Risk Level:** None of the chemicals in this product are listed.

### EUROPEAN/INTERNATIONAL REGULATIONS

**Risk Phrases:** Not Available

**Safety Phrases:** Not Available

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients contained in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure their employees are properly informed and advised of all safety precautions required. The information is furnished for compliance with the "Occupational Safety and Health Act" of 1970, the "Hazards Communication Act" of 1983 as well as various other Federal, State and Local regulations. Use or dissemination of all or part of this information for any other purpose is illegal.