

Section 1 Identification

Product Identifier	HX-FILLER	CAS#	Mixture
Product Description	Aqueous dispersion of clay (Hydrated aluminum silicate mineral).		
Synonym(s)	(Active chemicals) Clay; Kaolin; Kaolinite		
Relevant Uses	Additive filler in rubber and paper.		
Uses advised against	Not information available.		
Manufacturer	Holden's Latex Corp. 121 Varick Street, New York, NY 10013 USA	Tel.	In Case of Emergency (212) 741-1770 (Monday-Friday 8 am – 5 pm)

Section 2 Hazard Identification

OSHA Regulatory Status **Hazardous** According to the criteria of Federal Hazard Communication HCS 29 CFR 1910.1200.

GHS Mixture Classification Carcinogenicity – Category 1A

Specific Target Organ Toxicity (Repeated Exposure) (respiratory tract (inhalation): Category 1

GHS Pictogram(s)



Signal Word

DANGER

Percentage of mixture consisting of ingredients of unknown toxicity: %

Hazard Statements H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements P202 Do not handle until all safety precautions have been read & understood.

P260 Do not breathe dust.

P281 Use personal protection equipment as required.

P501 Dispose of contents/container in accordance with local, regional, national & international regulation.

OSHA- HNOC

In its original form an active ingredient(s) is classified as a carcinogenic dust; however as presented in water based dispersion this hazard is significantly and/or totally diminished. Avoid exposure to or creating dust from dried dispersion.

HMIS Rating Index **Health** **1** **Fire** **0** **Reactivity** **0** **Personal** **E**

0 = Minimal

1 = Slight

2 = Moderate

3 = High

4 = Extreme

A= Eye / Clothing

B= Eye Protection / Gloves

E= Eye Protection / Clothing / Dust Mask / Gloves

Remarks: The customer is ultimately responsible for determining the PPE code for use of this material in their process.

Potential Health Effects Dust from dried dispersion may cause mechanical irritation to eyes, irritation and drying of skin.

Section 3 Composition and Information on Ingredients

Product Description	Mixture	Occupational exposure limits, are listed in Section 8.		
Ingredient(s)	CAS#	% by Weight	Hazardous Status	
Hydrate aluminum silicate mineral	1332-58-7	59.0 – 61.0	Carcinogen Category !A STOT Repeated Exposure (lungs) Category 1	
Water	7732-18-5		Not classified	

Sodium polymethacrylate

54193-36-1

> 0.5

Not classified

Section 4 First Aid Measures

Description of first-aid measures after exposure

Eyes	Immediately flush eyes with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if eye irritation develops or persists.
Skin	Wash thoroughly with soap and plenty of water. If skin irritation occurs, seek medical attention.
Ingestion	Unlikely to be toxic by ingestion. If swallowed, Do Not Induce Vomiting, unless directed to do so by medical personnel. Rinse mouth out with water. Seek medical attention if significant quantities have been ingested or symptoms occur.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get immediate medical attention.

Information for physician, most important symptoms / effects, acute and delayed / over-exposure symptoms

No additional symptoms are known, treat symptomatically.

Indication of any immediate medical attention and special treatment needed, if necessary

Physician Notes The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

Section 5 Fire Fighting Measures

Remarks	This product is a water based mixture, non-flammable and not readily combustible as supplied.
Extinguishing Media	Suitable agent(s): <input checked="" type="checkbox"/> Water Spray <input checked="" type="checkbox"/> Foam
Decomposition Hazard	No hazardous decomposition from product, packaging may release oxides of carbon.
Advice to fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Additional Remarks	Fire extinguishing water runoff should not be allowed to enter into lakes, waterways and/or sewer systems.

Section 6-Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Non-Emergency	Follow good industrial hygienic practices with rubber gloves, safety goggles and an approved NIOSH dust/mist respirator when applicable. Provide adequate ventilation if necessary. Minimize the creation of dust.
Emergency procedure	No action should be taken involving any personnel risk without suitable training. Keep unnecessary / unprotected personnel from entering spill area. Do not touch spilled material; avoid contact with skin, eyes and clothing. Put on appropriate protective equipment, clothing and/or Tyvek type overall.
Personal Protection	Avoid contact with skin, eyes & clothing. Put on appropriate personal protective equipment, e.g. in cases of dust generation wear a respirator. Wear chemically resistant gloves. Use suitable eye protection. Wear suitable coveralls to prevent exposure to the skin.



Environmental Contained spilled product if possible. Do not allow to enter water streams and/or sewer systems if spill is not contained. Reporting may be required by your local authorities.

Spill Procedure	Prevent further leakage if possible. Spread absorbent material to contain. Spill or vacuum up and place in labeled containers. Avoid creating dust formations, as combustion hazards are possible.
Reference	See Section 7 for information on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information

Section 7 Handling and Storage

Precautions for safe handling (See Section 8 for PPE)

Industrial hygienic Observe good practices prohibit eating, drinking and smoking in work areas. Wash after handling. Persons with a history of skin sensitization problems should not be exposed to this material. Avoid contact with eyes and skin. Launder clothes before reuse.

Conditions for safe storage, including incompatibilities

Temperature **PROTECT FROM FREEZING!** Storage temperature range 50° - 100°F recommended.

Storage Avoid storage of drum in direct sunlight. Keep drums tightly sealed until ready for use.

Incompatibles Avoid strong oxidizing agents.

Maintaining integrity of the mixture

Usage Mix thoroughly before use. Some settling of material may occur on standing. Mixing provides uniform results.

Evaporation/spoilage Reseal drums tightly when not in use to avoid evaporation, contamination and/or spoilage.

Empty drums Empty containers contain product residue and can be hazardous, check regional, national and local regulations. Do not reuse container unless you have determined compatible use.

Other remarks Spilled product may create very slippery conditions, use caution walking into spill area.

Section 8 Exposure Controls and Personal Protection

Exposure Limits **No specific limits are established dispersion;** therefore in the case of brief exposure use of a respiratory filter device is recommended to maintain good industrial hygiene practices to avoid dusts formed from dried dispersion.

Recommended filter device for short-term use: US- N95 EU- Type A/P2

Component Limits Kaolin clay OSHA PEL, TWA 5 mg/m³

Individual protection measures, such as personal protective equipment (PPE)

PPE Observe good practices prohibit eating, drinking and smoking in work areas. Wash thoroughly after handling. Use properly fitted dust/respirator mask. Wear chemical resistant gloves, and approved safety eye protection. Wash clothing after exposure or wear disposal covering.



Remarks Avoid prolonged or repeated skin contact. Wash thoroughly before eating, drinking, smoking or applying cosmetics. Launder clothes before reuse. End-User: Determine appropriate safety equipment relative to individual manufacturing process/use.

Appropriate engineering controls

Engineering controls are not usually necessary if good industrial hygiene practices are followed. The active ingredient as a dry powder may form explosive dust /air mixtures, avoid creating dust if the dispersion is air dried during processing.

Section 9 Physical and Chemical Properties

Physical State	Liquid, aqueous dispersion	Color	Off White - Tan
Active Solids	60.0% (±1)	Odor	None - Mild
pH @ 21°C	Minimum 5.0	Odor Threshold	Not determined
Viscosity @ 20°C	Minimum 300 cps (#2 Spindle @ 30 rpm)	Freeze / Boiling Pt	0°C (32°F) / 100 °C (212°F) (Aqueous Portion)
Specific Gravity	~1.58	Flash Point:	Mixture is not flammable as supplied
Solubility - Water	Active solids within dispersion are insoluble.	Melt Point:	No information available
Evaporation Rate:	~ 40.0% (Aqueous Portion)	Vapor Pressure / Density:	No information available
Initial / Range Boiling Point:	100°C / 212°F (water portion)	Decomposition Temperature	No information available

Auto-ignition Temperature: Mixture is not flammable **Flammability (upper/lower limits):** Mixture is not flammable
Partition coefficient , n-octanol/water No information available
Other Information / Remarks None

Section 10 Stability and Reactivity

Reactivity No dangerous reactions reported by the chemical manufacturer under normal conditions of use.
Chemical stability Stable under normal conditions. Store in original container, keep drum tightly covered.
Possibility of hazardous reactions None expected.
Conditions to avoid **DO NOT FREEZE!** Avoid extreme temperatures, and direct sunlight.
Incompatible materials No specific data.
Hazardous decomposition products No hazardous decomposition expected from burning product.
Additional information No data.

Section 11 Toxicological Information

Most likely routes of exposure handling this product using good industrial hygiene practices: Eye and skin contact.

Toxicological Effects Information

Acute toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation - 4 hr
No data available.			

Irritation / Corrosion	Eye	Skin
No data available.		

Sensitization Respiratory or skin: Not classified due to data which is conclusive although insufficient for classification.

Mutagenicity No data available.

Reproductive No data available.

Carcinogenicity May cause cancer, risk of cancer will depend on duration and level of exposure to (clay) dust.

Summary KAOLIN: Published literature suggests that extremely high exposures to kaolin dust over a prolonged period of time can lead to low category pneumoconiosis (with little respiratory disability) in a small number of workers.

CRYSTALLINE SILICA: Overexposure to respirable crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. "Inhalable" crystalline silica (quartz) is listed by IARC as a Group I carcinogen (lung) based on "sufficient evidence" in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Some studies have not demonstrated a cancer association and controversy exists concerning the IARC and NTP classification.

Excessive exposure to any dust may aggravate pre-existing respiratory conditions

Classification	<u>OSHA</u>	<u>IARC</u>	<u>NTP</u>
Quartz	-	1	Known to be a human carcinogen.
STOT –Exposure	Not classified due to lack of data.		
STOT-Repeated	Quartz	This mixture is classified as Category 1 (Inhalation) (Respiratory tract).	

Entry Route(s) Oral and/or inhalation of dust from dried dispersion.

Aspiration Hazard No data reported by the chemical manufacturer.

Acute Toxicity Estimate Percentage of mixture consisting of unknown toxicity: Not available

Route	<u>Oral</u>	<u>Dermal</u>
ATE Value of mixture	No data available	No data available

Section 12 Ecological Information

Ecological Data / Information on ecological effects

Acute toxicity	LC50	EC50	IC50
	No data available.		

Persistence & degradability Not classified due to lack of data.

Bioaccumulative potential No data available.

PBT / vPvB Assessment The active ingredient is not considered to be persistent, bioaccumulating and toxic (PBT).

Mobility No data available. Aqueous portion will evaporate.

Distribution to Environment An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Check local, state and federal regulations in determining proper disposal methods.

Other adverse effects No known significant effects or critical hazards have been identified.

Section 13 Disposal Consideration

Waste treatment methods Recommendation: Examine possibilities for re-utilization. Product residues and unclean empty containers should be sealed, labeled, and disposed of or recycled according to relevant national and local regulations.

Container Disposal Do not re-use empty containers; the recipient must be warned of any possible hazard that may be caused by residues. Disposal must be made according to official regulations.

RCRA Status Not regulated, and not subject to reporting as it is not identified as a hazardous waste under 40 CFR 261.

Environmental information Do not put into public waterways or sewer systems.

Section 14 Transport Information

Regulatory Info	UN No.	Proper Shipping Name	Classes	Pkg.	Remarks	Label
DOT		Not Regulated				
ICAO						
IATA		Not Regulated				
IMDG						
TDG		Not Regulated				

Section 15 Regulatory Information

Safety, health and environmental regulations specific for the mixture

OSHA Hazards (29 CFR 1910.1200) Harmful by ingestion, mild skin irritant.

SARA Title III Hazards Notification

SARA 302/304 No component(s) listed.

SARA 311/312 X Hydrate aluminum silicate mineral ✓ Delayed Chronic Health Hazard

SARA 313 No component(s) listed.

TSCA 8(b) All functional components of this product are either exempt or listed on the TSCA Inventory.

TSCA 12(b) Product does not contain any components that are subject to TSCA 12(b) Export Notification.

CERCLA (CFR 302) Product does not contain any components regulated as hazardous substances.

California Prop 65 This product contains chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

Sub-component of Kaolin Clay:	Ingredient(s)	CAS#	Concentration
	QUARTZ	14808-60-7	< 1.8 %

Section 15 Regulatory Information (continued)

US Right-to Know **MA** The following components are listed: Kaolin; mica; SILICA; CRYSTALLINE; QUARTZ.

NY No components are listed.

NJ The following components are listed: Kaolin; mica; SILICA; CRYSTALLINE; QUARTZ; QUARTZ (SiO₂)

PA The following components are listed: Kaolin; Quartz (SiO₂)

International Lists Active ingredient(s) are listed or exempted on the following international inventories:

Canada (DSL / NDSL)	European Union (EINECS / ELINCS)	Philippines (PICCS)
Australia (AICS)	Japan (ENCS)	Taiwan (TCSI)
China (IECSC)	Korea (KECL)	New Zealand (NZIoC)

Section 16 Other Information

Other Information Precautions should be taken if the user's process creates dust. Dried dispersion may form a "Combustible Dust"; this hazard does not exist as packaged in an aqueous dispersion.

Reference(s) Information compiled from raw material SDS document(s): Vanderbilt Minerals, LLC Rev: 4-May-2015

Revision Remarks New SDS / GHS Format

Date Printed 29 June 2018 **Revision Date:** 5 Mar 2018 **Supersedes:** 19 Oct 2011

Abbreviation Legend

OSHA: Occupational Safety and Health Administration	NIOSH: The National Institute for Occupational Safety and Health	ACGIH: The American Conference of Governmental Industrial Hygienists	TWA: Time weighted average
PEL: Permissible exposure limit	REL: Recommended exposure limits	TLV: Threshold limit value	STEL: Short term exposure limit
GHS: Globally Harmonized System	EINECS: European Inventory of Existing Commercial Chemical Society	ELINCS: European List of Notified Chemical Substances	CAS: Chemical Abstracts Service
IATA: International Air Transport Association	IMDG: International Maritime Code for Dangerous Goods	ICO: International Civil Aviation Organization	P: Marine Pollutant
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act	CWA: Clean Water Act	r.a.: read across	HNOC: Hazards not otherwise classified
NOEL: No observed effect level	NOEC: No observed effect concentration	STOT: Specific target organ toxicity	

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