

MATERIAL SAFETY DATA SHEET

5050 333 LATEX THICKENER

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Revision Date 11/21/2002 Print Date 11/6/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION

2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY : Product Stewardship, (314) 771-1800

TELEPHONE

Emergency telephone : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure

number or accident).

Product name : 5050 333 LATEX THICKENER

Product code : FO00012143 Chemical Name : Mixture CAS-No. : Mixture

Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Potassium hydroxide (K(OH))	1310-58-3	1 - 5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product has not been evaluated as a whole for health effects. Information provided on the health effects of this product is based on individual components. In addition, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Skin contact, Inhalation, Ingestion

Acute exposure

Inhalation : Inhalation of airborne droplets may cause irritation of the respiratory

tract.

Ingestion : May be harmful if swallowed. Eyes : May cause eye/skin irritation.

Skin : Experience shows no unusual dermatitis hazard from routine handling.

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions : None known.

Aggravated by Exposure:

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4. FIRST AID MEASURES

Inhalation : Move to fresh air in case of accidental inhalation of vapors or fumes

from overheating or combustion. When symptoms persist or in all

cases of doubt seek medical advice.

Ingestion : Do not induce vomiting without medical advice. Never give anything

by mouth to an unconscious person. Seek medical attention if

necessary.

Eyes : Rinse immediately with plenty of water for at least 15 minutes. If eye

irritation persists, seek medical attention.

Skin : Wash off with soap and plenty of water. If skin irritation persists seek

medical attention.

5. FIRE-FIGHTING MEASURES

Flash point : No data available.

Flammable Limits

Upper explosion limit : No data available.

Lower explosion limit : No data available.

Autoignition temperature : No data available.

Suitable extinguishing media : carbon dioxide (CO2), water, foam, dry chemical.

Special Fire Fighting

Procedures

Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne

contaminants. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Unusual Fire/Explosion

Hazards

: Burning dry latex produces dense black smoke with the possibility of toxic vapors. Residual latex material contained in empty drums may

decompose when burned producing toxic or irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure response personnel are properly protected (see section 8 for

respiratory or other protection guidelines.) Use caution as floors may

be slippery.

Environmental precautions : The product should not be allowed to enter drains, water courses or the

soil.

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder,

universal binder, sawdust). Sweep up and shovel into suitable

containers for disposal.

7. HANDLING AND STORAGE



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Handling : Use only in area provided with appropriate exhaust ventilation.

Prolonged heating may result in product degradation. Material may settle during storage. Careful mixing without introduction of air may

be necessary before use.

Storage : Containers which are opened must be carefully resealed and kept

upright to prevent leakage. Keep in a dry, cool place. Keep from

freezing and temperature extremes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection : A respirator is normally not required for routine handling of product in

areas of good general ventilation and adequate local exhaust at processing equipment during routine operation. Airborne contaminant levels should be maintained below the occupational exposure

guidelines.

Eye/Face Protection : Safety glasses with side-shields. Wear goggles or face shield during

operations that present a splash potential.

Hand protection : Impervious gloves such as rubber or PVC

Skin and body protection : Long sleeved shirts and long pants are adequate for normal handling.

Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves, and eye/face

protection.

Additional Protective

Measures

Safety shoes

General Hygiene

Considerations

: Wash hands before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety

practices.

Engineering measures : Adequate ventilation and/or appropriate respiratory protection may

also be necessary to minimize employee exposure to processing

vapors.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Potassium hydroxide	2 mg/m3	Ceiling Limit Value:	Total dust.	ACGIH
(K(OH))	_	_		

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid Evaporation rate : Slower than Butyl

Acetate

Appearance : Liquid Specific Gravity : Not determined Color : NOT APPLICABLE Bulk density : Not applicable.



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Odor : Slight Vapor pressure : Not established
Melting point/range : Not applicable Vapor density : Heavier than air.
Boiling Point: : Not applicable pH : Not determined

Water solubility : Completely miscible

10. STABILITY AND REACTIVITY

Stability : Stable.

Hazardous Polymerization : Will not occur.

Conditions to avoid : Extremes of temperature and direct sunlight. Keep from freezing.

Incompatible Materials : Acids, metal salts, and solvents

Hazardous decomposition

products

: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

Chemical Name	Effect	Target Organ
Potassium hydroxide (K(OH))	Systemic effects	Eyes, Skin.
	Corrosive	Skin.
	toxic	Refer to LC50 / LD50 Data on MSDS
	Potassium hydroxide	Potassium hydroxide (K(OH)) Systemic effects Corrosive

LC50 / LD50

This product contains the following components which in their pure form have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
1310-58-3	Potassium hydroxide	Oral LD50	273 mg/kg	rat
	(K(OH))			

12. ECOLOGICAL INFORMATION

Persistence and degradability : No data available.

Environmental Toxicity : No data available.

Bioaccumulation Potential : No data available.

Additional advice : No data available.



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13. DISPOSAL CONSIDERATIONS

Product : Where possible, recycling is preferred to disposal or incineration. The

generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Contaminated packaging : Recycling is preferred when possible. The generator of waste material

has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial

and local regulations.

14. TRANSPORT INFORMATION

U.S. DOT Classification

Proper Shipping Name: Corrosive liquids, n.o.s. Technical Name: Potassium hydroxide

Hazard Class / Division 8

UN Number UN1760
Packing Group III
Label Required 8

Hazardous Substance Not applicable Reportable quantity: 21,835 LB

ICAO/IATA Refer to specific regulation.

IMO / IMDG Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : On TSCA List

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	% in Product	RQ for component	RQ for
				Mixture/Product
Potassium	1310-58-3	4.5799	1,000 lbs	21,835 LB
hydroxide (K(OH))				

California Proposition : This product does not contain a substance listed by California Prop 65.

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Canadian Regulations:

WHMIS Classification : D1B, E

WHMIS Ingredient Disclosure List

CAS-No. 1310-58-3

DSL : Listed.

National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Listed.

Philippines PICCS : Listed.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.