

Starchem 2543

SECTION 1. IDENTIFICATION

Product Identifier	Starchem 2543
Product Family	Alkylsiloxane emulsion
Manufacturer	StarChem, LLC, 10150 Greenville Highway, Wellford, SC, 29385, EH&S Dept, 1-800-677-3500, www.starchemglobal.com
Emergency Phone No.	Chemtrec, 1-800-424-9300
SDS No.	0044

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 4

Label Elements



H303 + H313 + H333 May be harmful if swallowed, in contact with skin or if inhaled.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

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

P362 + P364 Take off contaminated clothing and wash it before reuse.

Other Hazards

Releases flammable hydrogen gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Silane, triethoxy(2,4,4-trimethylpentyl)-	35435-21-3	15.0-30.0%	
GLYCOL (POLYSORBATE 80)	9005-65-6	1.0-5.0%	
Hydrogen	1333-74-0	varies	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If inhaled, remove to fresh air. Get medical attention if irritation develops.

Skin Contact

Wash area with soap and water.

Eye Contact

Product Identifier: Starchem 2543
 SDS No.: 0044
 Date of Preparation: October 30, 2015

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

All extinguishing media are suitable.

Specific Hazards Arising from the Product

Caution! May generate flammable hydrogen gas. Never use a welding or cutting torch near any containers of this material, even when empty, as an explosion may occur. Explosion limits for hydrogen (hydrolysis byproduct): 4-75.6% v/v. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

Special Protective Equipment and Precautions for Fire-fighters

Wear a self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment and Cleaning Up

Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Storage Period

Not Established

Handling/Storage Precautions

Avoid breathing dust, vapour, or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Keep container closed when not in use. Protect from freezing. Stir before using. Where possible, inert process equipment and blanket vessels tanks and containers with nitrogen to reduce the available oxygen. Product can release hydrogen resulting in the possible formation of an explosive atmosphere. Keep away from sources of ignition and take precautionary measures against electrostatic charging.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable

Industrial Hygiene/Ventilation Measures

Under normal conditions of use, special ventilation is not required.

Respiratory Protection

None required under normal conditions of use.

Eye Protection

Safety glasses with side-shields.

Skin and body protection

Product Identifier: Starchem 2543
SDS No.: 0044
Date of Preparation: October 30, 2015

Any liquid-tight rubber or vinyl gloves.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Milky white.
pH	4.5 - 6.0
Melting Point/Freezing Point	0 °C (melting)
Initial Boiling Point/Range	100 °C
Solubility	Dispersible in water
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Can liberate hydrogen gas if contact is made with strong acid.

Chemical Stability

Normally stable. Avoid contact with strong acids.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Strong acids.

Incompatible Materials

Releases hydrogen when in contact with strong acids.

Hazardous Decomposition Products

Hydrogen gas, silicon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data for STARCHEM 2543

Toxicity Note

Toxicity data is based on a similar product.

Acute Oral Toxicity

LD50: > 10 g/kg (rat)

Skin Irritation

Essentially nonirritating to skin.

Eye Irritation

May cause slight transitional irritation.

Sensitization

Product Identifier:	Starchem 2543
SDS No.:	0044
Date of Preparation:	October 30, 2015

No evidence of sensitization.

SECTION 12. ECOLOGICAL INFORMATION

Biodegradation

No evidence of biodegradation.

Bioaccumulation

No evidence of bioaccumulation.

Aquatic Toxicity

No evidence of aquatic toxicity.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste Disposal Method

Waste disposal should be in accordance with existing international, federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Empty container may contain hazardous quantities of hydrogen.

SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

United States Federal Regulations

OSHA Hazcom Standard Rating: Non-Hazardous

US. Toxic Substances Control Act:
Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302):
Components
None

SARA Section 311/312 Hazard Categories:
Non-hazardous under Section 311/312

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):
Components
None

Product Identifier: Starchem 2543
SDS No.: 0044
Date of Preparation: October 30, 2015

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:
Components
None.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 1** **Flammability - 2** **Instability - 0**

Date of Preparation October 30, 2015

Date of Last Revision October 29, 2015

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Product Identifier: Starchem 2543
SDS No.: 0044
Date of Preparation: October 30, 2015

Page 05 of 05