



FLINT HILLS
resources*

SAFETY DATA SHEET

1. Identification

Product identifier UTILITIES, GROUP E (STREAM # 5)

Other means of identification

SDS number 1037

Recommended use This material is a process intermediate stream.

Recommended restrictions Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Manufacturer Flint Hills Resources Chemical Intermediates, LLC
23425 Amoco Road
Channahon, IL
60410
United States

Telephone numbers - 24 hour emergency assistance

**FHR Chemical
Intermediates, LLC** 815-467-3209
Chemtrec 800-424-9300

Telephone numbers - general assistance

(8-5 M-F, CST) MSDS 316-828-7988
Assistance
Email: msdsrequest@fhr.com

2. Hazard(s) Identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement Not applicable.

Prevention Not applicable.

Response Not applicable.

Storage Not applicable.

Disposal Not applicable.

**Hazard(s) not otherwise
classified (HNOC)** Not classified.

3. Composition/Information on Ingredients

Components	Common name and synonyms	CAS number	%
WATER		7732-18-5	99.9 %
Additional components			
Chemical name		CAS number	%
MIXTURE OF WATER TREATMENT CHEMICALS INCLUDING PHOSPHATES, AMINE & POLYMERS		Mixture	< 0.1

Methods and materials for containment and cleaning up

Keep unnecessary people away. Isolate hazard area and deny entry.

Small Spills: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Large Spills: Dike far ahead of liquid spill for later disposal. Avoid clean up procedures that may result in water pollution.

Do not touch or walk through spilled material. Stop leak when safe to do so.

See Exposure Controls/Personal Protection (Section 8).

Environmental precautions

Exercise appropriate personnel safety measures.

7. Handling and storage

Precautions for safe handling

Prevent small spills to minimize slip hazard or release to the environment. No additional special precautions required.

Avoid personal contact with this material. Always observe good personal hygiene measures, such as removing contaminated clothing and protective equipment, washing after handling the material and before entering public areas. Restrict eating, drinking and smoking to designated areas to prevent personal chemical contamination. Routinely wash work clothing and protective equipment to remove contaminants. Do not breathe mist.

Conditions for safe storage, including any incompatibilities

Empty containers may contain material residue. Do not reuse without adequate precautions.

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

No special ventilation requirements.

Individual protection measures, such as personal protective equipment

Eye/face protection

Keep away from eyes. Eye contact can be avoided by using chemical safety glasses, goggles and/or face shield. Have eye washing facilities readily available where eye contact can occur.

Hand protection

Avoid skin contact with this material. Use chemical resistant gloves when handling this material. Contact the glove manufacturer for specific advice on glove selection regarding permeability and breakthrough times for your use conditions. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Other

Avoid skin contact with this material. Additional protective clothing may be necessary.

Respiratory protection

No special respiratory protection requirements.

Thermal hazards

No special precautions required.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Not applicable

Color

Clear

Odor

Slight

Odor threshold

Not available.

pH

7 - 9

Melting point

Not available.

Initial boiling point and boiling range

212 °F (100 °C)

Flash point

Not available

Evaporation rate

Not available

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not available

Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration toxicity	Not classified.

12. Ecological information

Ecotoxicity	Material not classified as harmful to aquatic organisms.
Persistence and degradability	Readily biodegradable in the environment.
Bioaccumulative potential	Not likely to bioaccumulate in aquatic organisms.
Mobility in soil	Not classified in terms of mobility in air, soil and water.
Other adverse effects	No other adverse effects expected.

13. Disposal considerations

Disposal instructions	The transportation, storage, treatment and disposal of waste material must be conducted in compliance with federal, state, and local regulations. Under RCRA it is the responsibility of the user of the material to determine, at the time of disposal, whether this material meets RCRA criteria for hazardous waste. For additional handling information and protection of employees, see Section 7 (Handling and Storage) and Section 8 (Exposure Controls/Personal Protection).
Hazardous waste code	The proper waste code must be evaluated at the time of disposal and should be determined by the user and waste disposal company.
Waste from residues / unused products	Dispose of this material in accordance with all applicable local and national regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with government regulations. Packaging may contain residue that can be hazardous.

14. Transport information

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not classified for MARPOL. Please contact the Transportation Compliance CSO if transportation mode is ship or vessel to determine the need for a MARPOL classification.
General information	<p>Due to the possible variances of this material, shipping classification has not been predetermined. The shipping classification must be evaluated at the time of shipment. Please consult 49 CFR 171 - 180 for specific shipping information or Transportation Compliance System Owner (CSO).</p> <p>The proper shipping name must be determined by analysis or specific generator's knowledge regarding variances of this product.</p>

15. Regulatory information

US federal regulations	<p>Intermediate streams that are not isolated are not required to be listed on the TSCA inventory. The TSCA inventory status for this intermediate stream has not been determined.</p> <p>This material does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313 (40 CFR 372).</p> <p>Check local, regional or state/provincial regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Failure to comply may result in substantial civil and criminal penalties.</p>
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
US EPCRA (SARA Title III) Section 304 - Extremely Hazardous Spill: Reportable quantity	Not regulated.