

SAFETY DATA SHEET

1. Identification

Product identifier	HYDREX 6621
Other means of identification	None.
Recommended use	Wastewater Treatment PROFESSIONAL USE ONLY
Recommended restrictions	No other uses are advised.
Manufacturer/Importer/Supplier/Distributor information	
Company Name	Veolia Water Technologies, Inc
Address	945 S. Brown School Road Vandalia, Ohio 45377
Telephone	+1-937-890-4075
Fax	+1-937-890-5495
E-mail	vwtdayton.hydrex@veolia.com
Emergency phone number	+1-760-476-3962 (Code: 333239) or +1 866-519-4752 (Code: 333239)
Contact person	Hydrex Product Manager

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Safety data sheet available on request.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Isotridecanol, Ethoxylated		69011-36-5	<5
Other components below reportable levels			95

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Not available.

Specific hazards arising from the chemical

Material can be slippery when wet. During fire, gases hazardous to health may be formed. Hydrogen cyanide (hydrocyanic acid). Ammonia. Hydrogen Chloride (HCl). Nitrogen Oxides (NO_x). Carbon monoxide and carbon dioxide.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. Slippery when wet.

Methods and materials for containment and cleaning up

This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid forming spray/aerosol mists. Material can be slippery when wet.

Conditions for safe storage, including any incompatibilities

Protect from sunlight. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Store in cool, dry place.

8. Exposure controls/personal protection

Occupational exposure limits

This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

Biological limit values

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

Appropriate engineering controls

Not available.

Individual protection measures, such as personal protective equipment

Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles). Use face shield in case of splash risk.

Skin protection

Hand protection

Use protective gloves made of: PVC or other plastic material gloves.

Other

Wear necessary protective equipment. Wear apron or protective clothing in case of splashes.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Avoid forming spray/aerosol mists.

Thermal hazards

Not applicable.



General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Viscous
Physical state	Liquid.
Form	Liquid.
Color	Milky
Odor	Aliphatic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	< 41 °F (< 5 °C)
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2.3 kPa (20°C)
Vapor density	0.804 (20°C)
Relative density	1 - 1.2
Solubility(ies)	
Solubility (water)	< 5 % Limited by viscosity
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	> 302 °F (> 150 °C)
Viscosity	> 20.5 mm ² /s (40°C)
Other information	
Density	1.00 - 1.20 g/cm ³
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	This product may react with oxidizing agents.
Conditions to avoid	Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials. None under normal conditions.
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	Thermal decomposition can emit : Nitrogen oxides (NOx). Carbon oxides. Ammonia. Hydrogen cyanide (hydrocyanic acid). Hydrogen chloride.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.

Material name: HYDREX 6621

2567 Version #: 04 Revision date: 09-29-2021 Issue date: 08-12-2015

SDS US

Eye contact

HYDREX 6621

OECD 437

Result: Non Irritant

Ingestion

Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects**Acute toxicity**

Product	Species	Test Results
HYDREX 6621		
Acute		
Dermal		
LD50	Rabbit	>= 5000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
Components	Species	Test Results

Isotridecanol, Ethoxylated (CAS 69011-36-5)

Acute**Dermal***Liquid*

LD50

Rabbit

> 2000 mg/kg

Oral*Liquid*

LD50

Rat

500 - 2000 mg/kg

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Eye Contact

HYDREX 6621

OECD 437

Result: Non Irritant

Respiratory or skin sensitization**Respiratory sensitization**

Not a respiratory sensitizer.

Skin sensitization

This product is not expected to cause skin sensitization.

Sensitization

Isotridecanol, Ethoxylated

Result: Non-sensitizing

Species: Guinea pig

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

Isotridecanol, Ethoxylated

Result: Not mutagenic

Carcinogenicity

Not classifiable as to carcinogenicity to humans.

Isotridecanol, Ethoxylated

Result: Not carcinogenic

Species: Rat

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Reproductivity

Isotridecanol, Ethoxylated

> 250 mg/kg/day OECD 416, Two-Generation Reproduction Toxicity

Result: NOAEL

Species: Rat

Specific target organ toxicity - single exposure	Not classified.	
Isotridecanol, Ethoxylated		0, No Known Effects
Specific target organ toxicity - repeated exposure	Not classified.	
Isotridecanol, Ethoxylated		50 mg/kg/day NOAEL Species: Rat Organ: Oral Test Duration: 600 days
Aspiration hazard	Not an aspiration hazard.	

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product	Species	Test Results
HYDREX 6621		
Aquatic		
<i>Acute</i>		
Crustacea	LC50	Daphnia magna
Fish	LC50	Fish
		10 - 100 mg/l, 48 hours calculated
		10 - 100 mg/l, 96 hours calculated
Components	Species	Test Results
Isotridecanol, Ethoxylated (CAS 69011-36-5)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia
Fish	LC50	Rainbow Trout
		1.5 mg/l, 48 hours
		5.18 mg/l, 96 hours

Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Residual Acrylamide = <0.05%

California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov. Residual Acrylamide = 0.05%

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	08-12-2015
Revision date	09-29-2021
Version #	04

NFPA ratings

Health: 0
Flammability: 1
Instability: 0

NFPA ratings**List of abbreviations**

ACGIH: American Conference of Governmental Industrial Hygienists.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).
ANSI: American National Standards Institute.
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
BCF: Bio-concentration factor.
CAS Number: Chemical Abstracts Service Registry Number.
Ceiling: Short Term Exposure Limit Ceiling value.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction.
DOT: Department of Transportation (49 CFR 172.101).
DSL: Canada, Domestic Substances List.
EC50: Effective Concentration 50%.
ECHA: European Chemical Agency.
EINECS: European Inventory of Existing Commercial Chemical Substances.
ELINCS: European List of Notified Chemical Substances.
EPA: United States Environmental Protection Agency.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IC50: Inhibition Concentration 50%.
IMDG Code: International Maritime Dangerous Goods Code.
IUCLID: International Uniform Chemical Information Database.
LC50: Lethal Concentration 50%.
LD50: Lethal Dose 50%.
N.O.S.: Not Otherwise Specified.
NDSL: Canada, Non-Domestic Substances List.
NFPA: National Fire Protection Association.
NOEC: No observed effect concentration.
NTP: National Toxicology Program.
OECD: Organization for Economic Cooperation and Development.
OSHA: Occupational Safety & Health Administration.
PBT: Persistent, bioaccumulative, toxic.
PPE: Personal Protective Equipment.
RCRA: Resource Conservation Recovery Act.
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
SARA: Superfund Amendments and Reauthorization Act.
STEL: Short-term Exposure Limit.
SCT: Secretariat of Communications and Transportation (NOM-002-SCT/2011).
TSCA: Toxic Substance Control Act.
TWA: Time Weighted Average Value.
VOC: Volatile organic compounds.
UN: United Nations.
WHMIS: Workplace Hazardous Materials Information System.
WHO: World Health Organization.

Disclaimer

Veolia Water Technologies is not able to anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use and or non respect of Veolia Water Technologies' requirement.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.