

RECEIVED

SAFETY DATA SHEET

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WST-EC2004

STATE DEPARTMENT
SOURCE MANAGEMENT

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name: WST-EC2004

Company: SYNTHEX ORGANICS, LLC
4601 Cortland Avenue
Altoona, PA 16601
United States

Telephone: 814-941-8375

Telefax: 814-941-1031

Emergency telephone number: 814-941-8375

Type of product: Mixture

Identified uses: Processing aid for industrial applications.

2. HAZARDS IDENTIFICATION

Form: Viscous liquid

Color: Milky

Odor: Aliphatic

Potential effects: Spills produce extremely slippery surfaces.

3. COMPOSITION / INFORMATION OF INGREDIENTS

Substances: Not applicable, this product is not a substance.

Hazardous components:

Component	Concentration	CAS #	Classification According to Paragraph (d) of 29 CFR 1910.1200
Distillates (petroleum), hydrotreated light	20- 30%	64742-47-8	Asp. Tox. 1;H304
Poly(oxy-1,2-ethanediyl) a-tridecyl-w-hydroxy-, branched	<3%	69011-36-5	Acute Tox. 4;H302, Eye Dam. 1;H318

Note: Does not result in classification of the mixture if the kinematic viscosity is greater than 20.5 mm²/s measured at 40°C.

SAFETY DATA SHEET
WST-EC2004

4. FIRST AID MEASURES

Inhalation: Move to fresh air. No hazards which require special first aid measures.

Skin: Wash off with soap and plenty of water while removing all contaminated clothes and shoes. In case of persistent skin irritation, consult a physician.

Eye: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Call a poison center immediately.

Most important symptoms and effects, both acute and delayed: None under normal use.

Indication of any immediate medical attention and special treatment needed: None reasonably foreseeable

5. FIRE FIGHTING MEASURES

Extinguishing media: Water, water spray, foam, carbon dioxide (CO₂), dry powder.

Flash point: Does not flash.

Auto-ignition temperature: No data available.

Hazardous decomposition products: Ammonia. Carbon oxides (CO_x). Nitrogen oxides (NO_x). Hydrogen chloride. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

Protective measures: In the event of fire, wear self-contained breathing apparatus and protective suit.

Other information: Spills produce extremely slippery surfaces.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

Protective equipment: Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

Emergency procedures: Keep people away from spill/leak.

Environmental precautions: Do not contaminate water.

Clean up method: For small spills, do not flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. For large spills, dam up. Do not flush with water. Clean up promptly by scoop or vacuum.

Residues: Soak up with inert absorbent material. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Renders surfaces extremely slippery when spilled.

Conditions for safe storage, including any incompatibilities: Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material. Incompatible with oxidizing agents.

SAFETY DATA SHEET
WST-EG2004

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eyes/Face: Safety glasses with side-shields.

Skin: Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

Hand protection: PVC or other plastic material gloves.

Respiratory: No personal respiratory protective equipment normally required.

Engineering controls: Use local exhaust if misting occurs. Natural ventilation is adequate in the absence of mists. Ensure adequate ventilation, especially in confined areas.

Additional advice: Wash hands and face before breaks and immediately after handling the product. Wash hands before breaks and at the end of workday.

Environmental exposure controls: Do not allow uncontrolled discharge of product into the environment.

Occupational exposure limits:

Distillates (petroleum), hydrotreated light: ACGIH: 200 mg/m³ (8-hour)

SAFETY DATA SHEET
WST-EC2004

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous liquid

Color: Milky

Odor: Aliphatic

Melting point/freezing point: <5°C

Initial boiling point and boiling range: > 100°C

pH: 4 -6 @ 5 g/l

Relative density: 1.0 – 1.1

Vapor density: 0.804 g/litre @ 20°C

Vapor pressure: 2.3 kPa@ 20°C

Flash point: Does not flash.

Auto-ignition temperature: Not applicable.

Flammable limits: Not expected to create explosive atmospheres.

Flammability: Not applicable.

Solubility: Completely miscible.

Partition coefficient: Not applicable.

Decomposition temperature: >150°C

Explosive properties: Not expected to be explosive based on the chemical structure.

Oxidizing properties: Not expected to be oxidizing based on the chemical structure.

Evaporation rate: No data available.

Viscosity: > 20.5 mm²/s @ 40°C

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Oxidizing agents may cause exothermic reactions.

Conditions: Protect from frost, heat and sunlight.

Incompatible materials: Incompatible with oxidizing agents.

Decomposition products: Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NO_x), carbon oxides (CO_x). Ammonia. Hydrogen cyanide (hydrocyanic acid).

SAFETY DATA SHEET
WST-EC2004

11. TOXICOLOGICAL INFORMATION

Information on product as supplied

Acute toxicity:

Oral LD50 (Rat): >5000 mg/kg

Dermal LD50 (Rat): >5000 mg/kg

Inhalation: This product is not expected to be toxic by inhalation.

Skin corrosion/irritation: Not irritating.

Serious eye damage/eye irritation: May cause eye irritation with susceptible persons.

Respiratory/skin sensitization: Not sensitizing.

Mutagenicity: Not mutagenic

Carcinogenicity: Not carcinogenic.

Reproductive toxicity: Not toxic for reproduction.

STOT-single exposure: No known effects.

STOT-repeated exposure: No known effects.

Aspiration hazard: Due to the viscosity, this product does not present an aspiration hazard.

Distillates (petroleum), hydrotreated light

Acute oral toxicity: LD50/oral/rat >5000 mg/kg (OECD 401)

Acute dermal toxicity: LD50/dermal/rabbit >5000 mg/kg (OECD 402)

Acute inhalation toxicity: LC50/inhalation/4 h/rat > 4951 mg/m³ (OECD 403)

Skin corrosion/irritation: Not irritating. (OECD 404) Repeated exposure may cause skin dryness or cracking.

Serious damage/ eye irritation: Not irritating. (OECD 405)

Respiratory/skin sensitization: By analogy with similar product is not expected to be sensitizing. (OECD 406)

Mutagenicity: Not mutagenic. (OECD 471, 473, 474, 476, 478, 479)

Carcinogenicity: Carcinogenicity study in rats (OECD 451): Negative.

Reproductive toxicity: By analogy with similar substances, this substance is not expected to be toxic for reproduction.
NOAEL/rat=300 ppm (OECD 421)

STOT- single exposure: No known effects.

STOT- repeated exposure: NOAEL/oral/rat/90 days >=3000 mg/kg/day (OECD 408) (Based on results obtained from tests on analogous products)

Aspiration hazard: May be fatal if swallowed and enters airways.

Poly(oxy-1,2-ethanediyl), a-tridecyl-w-hydroxy-, branched

Acute oral toxicity: LD50/oral/rat= 500- 2000 mg/kg

Acute dermal toxicity: LD50/dermal/rabbit >2000 mg/kg

Acute inhalation toxicity: No data available.

SAFETY DATA SHEET
WST-EC2004

TOXICOLOGICAL INFORMATION CONT.

Skin corrosion/irritation: Not irritating. (OECD 404)

Serious eye damage/eye irritation: Causes serious eye irritation. (OECD 405)

Respiratory/ skin sensitization: The results of testing on guinea pigs showed this material to be non-sensitizing.

Mutagenicity: Not mutagenic.

Carcinogenicity: Not carcinogenic.

Reproductive toxicity: Two-Generation Reproduction Toxicity (OECD 416)

NOAEL/rat > 250 mg/kg/day

Prenatal Development Toxicity Study (OECD 414)

NOAEL/maternal toxicity/rat > 50 mg/kg/day

NOAEL/Developmental toxicity/rat >50 mg/kg/day

STOT- single exposure: No known effects.

STOT- repeated exposure: NOAEL/oral/rat/600 days = 50 mg/kg/day

Aspiration hazard: No known effects.

12. ECOLOGICAL INFORMATION

Information on the product as supplied

Acute toxicity to fish: LC50/Fish/96 hours = 10-100 mg/L (Estimated)

Acute toxicity to invertebrates: EC50/Daphnia/48 hours = 10- 100 mg/L

Acute toxicity to algae: Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test

Chronic toxicity to fish: No data available.

Chronic toxicity to invertebrates: No data available.

Toxicity to microorganisms: No data available.

Effects pm terrestrial organisms: No data available.

Sediment toxicity: No data available. Readily biodegradable, exposure to sediment is unlikely.

Distillates (petroleum), hydrotreated light

Acute toxicity to fish: LC50/Oncorhynchus mykiss/96 hours >1000 mg/L (OECD 203)

Acute toxicity to invertebrates: EC50/Daphnia magna/48 hours>1000 mg/L (OECD 202)

Acute toxicity to algae: IC0/Pseudokirchneriella subcapitata/72 hours >1000 mg/L (OECD 201)

Chronic toxicity to fish: NOEC/ Oncorhynchus mykiss/28 days > 1000 mg/L

Chronic toxicity to invertebrates: NOEC/Daphnia magna/21 days>1000 mg/L

SAFETY DATA SHEET
WST-EC2004

ECOLOGICAL INFORMATION CONT.

Toxicity to microorganisms: EC50/Tetrahymena pyriformis/ 48h >1000 mg/L

Effects on terrestrial organisms: No data available.

Sediment toxicity: No data available. Readily biodegradable, exposure to sediment is unlikely.

Poly(oxy-1,2-thanediy), a-tridecyl-w-hydroxy-,branched

Acute toxicity to fish: LC50/Cyprinus carpio/96 hours= 1-10 mg/L (OECD 203)

Acute toxicity to invertebrates: EC0 Daphnia/48 hours = 1-10 mg/L (OECD 202)

Acute toxicity to algae: IC50/Desmodesmus subspicatus/72 hours = 1-10 mg/L

Chronic toxicity to fish: No data available.

Chronic toxicity to invertebrates: No data available.

Toxicity to microorganisms: EC10/activated sludge/17 h>10000mg/L (DIN 38412-8)

Effects on terrestrial organisms: No data available.

Sediment toxicity: No data available.

Information on the product as supplied:

Degradation: Readily biodegradable.

Hydrolysis: At natural pHs (>6) the polymer degrades due to hydrolysis to more than 70% in 28 days. The hydrolysis products are not harmful to aquatic organisms.

Photolysis: No data available.

Distillates (petroleum), hydrotreated light

Degradation: Readily biodegradable.

Hydrolysis: Does not hydrolyse.

Photolysis: No data available.

Poly(oxy-1,2-ethanediy), a tridecyl-w-hydroxy-,branched:

Degradation: Readily biodegradable. >60% / 28 days (OECD 301 B)

Hydrolysis: Does not hydrolyse.

Photolysis: No data available.

Information on the product as supplied

This product is not expected to bioaccumulate.

Partition co-efficient (Log Pow): Not applicable.

Bioconcentration factor (BCF): No data available.

SAFETY DATA SHEET
WST-EC2004

ECOLOGICAL INFORMATION CONT.

Distillates (petroleum), hydrotreated light:

Partition co-efficient (Log Pow): 3 - 6

Bioconcentration factor (BCF): No data available

Poly(oxy-1,2-ethanediyl), a-tridecyl-w-hydroxy-branched:

Partition co-efficient (Log Pow): >3

Bioconcentration factor (BCF): No data available

Koc: >5000

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Dispose in accordance with local regulations.

Contaminated packaging: If recycling is not practicable, dispose of in compliance with local regulations.

Recycling: Store containers and offer for recycling of material when in accordance with the local regulations.

14. TRANSPORTATION REGULATIONS

Land transport (DOT): Not classified.

Sea transport (IMDG): Not classified.

Air transport (IATA): Not classified.

15. REGULATORY INFORMATION

TSCA Chemical Substances Inventory: All components of this product are either listed on the inventory or are exempt from listing.

SARA (Section 311/312) hazards class: Not concerned.

RCRA: Not RCRA hazardous.

California Proposition 65 Information: WARNING! This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm, Acrylamide.

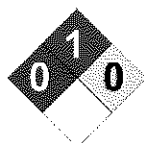
SAFETY DATA SHEET
WST-EC2004

16. OTHER INFORMATION

NFPA:

Health: 0
Flammability: 1
Instability: 0

Note: NFPA = National Fire Protection Agency



HMIS:

Health: 0
Flammability: 1
Reactivity: 0

Hazard Rating Scale: 0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	

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Revised December 23, 2015, S. Bowser