

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: HVF-20

1.2. Intended Use of the Product

Processing aid for industrial applications

1.3. Name, Address, and Telephone of the Responsible Party

Company

Synthex Organics, LLC

4601 Cortland Avenue

Altoona, PA 16601

(814) 941 - 8375

www.synthexorganics.net

1.4. Emergency Telephone Number

Emergency Number : Call CHEMTREC Day or Night 1 (800) 424 - 9300 / +1 (703) 527 – 3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US):

Signal Word (GHS-US):

Hazard Statements (GHS-US):

Precautionary Statements (GHS-US):

Prevention:

Wash thoroughly after handling

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

Response:

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/ attention.

Take off contaminated clothing.

Disposal:

Dispose of contents/container as special waste in compliance with local and national regulations.

2.3 Other Hazards

Advice; Solutions extremely slippery when spilled.

Inhalation; Avoid breathing vapors or mist.

Skin; Causes skin irritation.

Eyes; May cause eye irritation.

Ingestion; May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Distillates (petroleum) hydrotreated light	64742-47-8	22 - 25	
Alkyl-(C12-C14) alcohol, ethoxylated >2 – 10 EO	68439-50-9	0 - 3.6	
Alcohols, C12-16, ethoxylated	68551-12-2	0 - 3.6	

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Alcohols, C10-16, ethoxylated	68002-97-1	0 - 3.6	
Ammonium acetate	631-61-8	2 - 10	

Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability. Only one of these components is contained in the product up to the maximum amount noted.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: Remove to fresh air. If there is difficulty in breathing, medical advice is required.

First-aid Measures After Skin Contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Consult a physician if necessary.

First-aid Measures After Eye Contact: Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Obtain medical consultation, preferably from an ophthalmologist.

First-aid Measures After Ingestion: Rinse mouth with water. Call a physician immediately. Do NOT induce vomiting.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

None under normal use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

None.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water Spray. Dry chemical, Carbon dioxide (CO₂). Water mist.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Burning may produce toxic and irritant gases.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit. Use NIOSH/MSHA approved respiratory protection. For personal protection see section 8.

Hazardous Combustion Products: Carbon monoxide (CO), Ammonia, nitrogen oxides (NO_x), Sulphur oxides (SO_x), Carbon dioxide (CO₂)

Other Information: Spills produce extremely slippery surfaces.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations. Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: For personal protection see section 8.

Emergency Procedures: Where the exposure level is not known, wear approved, positive pressure, self-contained respirator. Where the exposure level is known, wear approved respirator suitable for the level of exposure.

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6.2. Environmental Precautions

Should not be released into the environment.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Spills are very slippery. Soak up with inert absorbent material. Clean up promptly by scoop or vacuum. Flush away traces with water. Dispose of in compliance with local and national regulations.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling: Avoid contact with skin, eyes and clothing. Keep absorbent material as a precaution against spills. For personal protection see section 8.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in original container. Flashpoint determination was performed using a Pensky Martens type closed cup method. The method indicates a flash point greater than 93,3° C (200° F). Although there was no flashpoint detected below 93,3° C (200° F) some flammable vapors were evolved during the test as evidenced by the enlargement of the flame. Caution should be exercised during storage and handling. Storage temperature < 89.6 °F

Incompatible Materials: Unsuitable material: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminium containers or equipment

7.3. Specific End Use(s)

None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Ingredients with workplace control parameters: Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

Ingredients	Occupational Exposure Limits
Distillates (petroleum) hydrotreated light	TWA = 200 mg/m ³ , As total hydrocarbon vapour, Skin: Contributes significantly to the overall exposure by the skin route., Jet fuels TWA = 197 ppm = 1,200 mg/m ³ : recommendations of the manufacturer

8.2. Exposure Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location. Avoid contact with skin and eyes. Do not breathe vapor. Keep away from tobacco products. Keep away from food and drink. Wash hands before breaks and immediately after handling the product.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Glove material: Nitrile rubber, Permeability tests are not available for this product. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye Protection: Safety glasses with side-shields

Skin and Body Protection: Chemical resistant protective clothing. Chemical resistant boots.

Respiratory Protection: Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure. Use NIOSH approved respiratory protection.

Other Information: Ensure that eye flushing and safety showers are located close to the working place. When using do not eat, drink, or smoke. Wash contaminated clothing before re-use.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Greenish white
Odor	: Petroleum distillates
Odor Threshold	: Not available
pH	: 6-9.5
Evaporation Rate	: Similar to water
Melting Point	: Not available
Freezing Point	: -20 °C
Boiling Point	: Not available
Flash Point	: >213.1 °F (closed cup) (Pensky-Martens)
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Similar to water
Relative Vapor Density at 20°C	: Similar to water
Bulk Density	: 1.03 - 1.06 kg/m ³
Specific Gravity	: Not available
Solubility	: no data available
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: See technical bulletin

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.
- 10.4. Conditions to Avoid:** Protect from frost, heat and sunlight
- 10.5. Incompatible Materials:** Unsuitable material: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment
- 10.6. Hazardous Decomposition Products:** Carbon monoxide (CO), Ammonia, nitrogen oxides (NO_x), Sulphur oxides (SO_x), Carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material.

LD50 Oral Rat	> 5,000 mg/kg
LC50/Inhalation/4 h/rat	> 5.2 mg/l
LD50 Dermal Rat	> 2,000 mg/kg

Irritation / Corrosivity	Skin: Skin irritation Eyes: May cause eye irritation. Not classified as irritating for eyes.
Sensitisation	Not sensitizing.
Repeated dose toxicity	No data available
Carcinogenicity	Not classified by IARC or NTP.
Mutagenicity	No known effect, not mutagenic

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Reproductive toxicity	Did not show teratogenic effects in animal experiments Not to be expected
Other information	None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Aquatic toxicity

LC50/96 h/Branchydanio rerio (zebra fish)/OECD Test Guideline 203: > 100 mg/l fresh water
EC50/48 h/Daphnia magna (Water flea)/OECD Test Guideline 202: > 100 mg/l
IC50/72 h/Green algae (Selenastrum capricornutum)/OECD Test Guideline 201: > 100 mg/l

Toxicity to other organisms

No data available

Mobility in soil

Water solubility: no data available
Surface tension: not determined

Persistence and degradability

Biological degradability:
CO2 Evolution Test/OECD Test Guideline 301B/28 d:
The polymeric ingredient is not readily biodegradable. Because of the high molecular weight of the polymer diffusion through biological membranes is very small.

Bioaccumulative potential

Partition coefficient: n-octanol/water: no data available

Other adverse effects

Additional ecological information: Ecotoxicological information provided is based on a structurally or compositionally similar product. This material is not classified as dangerous for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Recycling, recovery and reuse of materials is recommended if permitted by regulations. If recycling is not practicable, dispose of in compliance with local regulations. Incineration is recommended.

EPA Hazardous Waste - NO

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

U.S. DOT

Sea transport (IMDG)

Air transport (ICAO/IATA)

UN number

Not classified

Proper Shipping Name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for user

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

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SARA 311/312 - Hazard Categories: None

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

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

Notification status

All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS. :

All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory.

All components of this product are included in the Canada Domestic Substance List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL).

All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS).

All components of this product are NOT included on the Japanese (ENCS) inventory.

All components of this product are NOT included on the Korean (ECL) inventory.

All components of this product are NOT included on the Philippine (PICCS) inventory.

The product contains component(s) which is/are New Substance(s) registered by Kemira with the local authority. Only designated Kemira entity can import or authorize to import into China. Contact Kemira offices for more information.

All components of this product are included in the New Zealand inventory (NZIoC) or are not required to be listed on the New Zealand inventory(NZIoC).

All components of this product are included on the Taiwan Toxic Chemical Substances Control Act Inventory.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

T NFPA and HMIS Ratings:

NFPA:

Health: 2

Flammability: 1

Instability: 0

HMIS:

Health: 2

Flammability: 1

Physical Hazard: 0

PPE Code: B

This SDS was prepared in accordance with the following:

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U.S. Code of Federal Regulations 29 CFR 1910.1200

The following sections contain revisions or new statements: 1-16.

Date of preparation: January 20, 2023

Training advice: None.

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