

K A U F M A N

PRODUCT
INFORMATION

KAUFMAN
PRODUCTS
INC.

3811 CURTIS
AVENUE

BALTIMORE,
MARYLAND
21226-1131

410-354-8600
800-637-6372
www.kaufman
products.net

Krystal ReFresh (315)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 08/31/15 Supersedes: 09/07/14

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Product Form: Mixture

Product Name: Krystal ReFresh (315)

1.2. Intended Use of the Product

Use of the substance/mixture: Sealer

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

Company

Kaufman Products, Inc.
3811 Curtis Avenue
Baltimore, MD 21226-1131
410-354-8600

<http://www.kaufmanproducts.net/>

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Muta. 1B	H340
Carc. 1A	H350
Repr. 2	H361
Aquatic Chronic 2	H411

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

Hazard Statements (GHS-US)

: Danger
: H225 - Highly Flammable liquid and vapor
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H340 - May cause genetic defects
H350 - May cause cancer
H361 - Suspected of damaging fertility or the unborn child
H401 - Toxic to aquatic life

For professional use only. Not for sale to or use by the general public.

LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salespeople, distributors, and their salespeople have no authority to change the printed recommendations concerning the use of our products.

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- Precautionary Statements (GHS-US)**
- H411 - Harmful to aquatic life with long lasting effects
 - : P201 - Obtain special instructions before use
 - P202 - Do not handle until all safety precautions have been read and understood
 - P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 - P233 - Keep container tightly closed
 - P240 - Ground/bond container and receiving equipment
 - P241 - Use explosion-proof electrical/ventilating/lighting equipment
 - P242 - Use only non-sparking tools
 - P243 - Take precautionary measures against static discharge
 - P261 - Avoid breathing mist, spray, vapors
 - P264 - Wash exposed areas. thoroughly after handling
 - P272 - Contaminated work clothing should not be allowed out of the workplace
 - P273 - Avoid release to the environment
 - P280 - Wear eye protection, protective clothing, protective gloves
 - P302+P352 - IF ON SKIN: Wash with plenty of soap and water
 - P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 - P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 - P308+P313 - If exposed or concerned: Get medical advice/attention
 - P321 - Specific treatment (see Section 4)
 - P332+P313 - If skin irritation occurs: Get medical advice/attention
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
 - P337+P313 - If eye irritation persists: Get medical advice/attention
 - P362 - Take off contaminated clothing and wash before reuse
 - P362+P364 - Take off contaminated clothing and wash it before reuse
 - P370+P378 - In case of fire: Use appropriate media for extinction
 - P403+P235 - Store in a well-ventilated place. Keep cool
 - P405 - Store locked up
 - P501 - Dispose of contents/container to local, regional, national, and international regulations

2.3. Other Hazards

No additional information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

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Name	Product identifier	%	Classification (GHS-US)
Solvent naphtha, petroleum, medium aliphatic	(CAS No) 64742-88-7	45-55	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 3, H402 Aquatic Chronic 2, H411
Solvent naphtha, petroleum, light aromatic	(CAS No) 64742-95-6	25-35	Muta. 1B, H340 Carc. 1A, H350 Carc. 1B, H350 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Flam. Liq. 3, H226
Acrylic Polymer	Proprietary	15-20	Not Classified

Full text of H-phrases: see section 16

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). IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.

First-aid Measures After Skin Contact: Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: May cause an allergic skin reaction. Skin irritation. Eye irritation.

Symptoms/Injuries After Inhalation: Inhalation of fumes or vapours may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: May cause cancer. May cause heritable genetic damage. May damage fertility. May damage the unborn child.

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

If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Alcohol foam, carbon dioxide, dry chemical, water spray, fog. Use extinguishing media appropriate for surrounding fire.

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

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Flammable liquid and vapor.

Explosion Hazard: Product is not explosive.

Reactivity: Product is stable.

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5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid all eyes and skin contact and do not breathe vapor and mist. Do not allow product to spread into the environment.

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 Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material 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: Collect spillage. Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing vapours, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep container tightly closed.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Incompatible Materials: Heat sources.

Storage Area: Store locked up.

7.3. Specific End Use(s) Sealer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters: No occupational exposure limits (OEL¹⁵) have been established for this product or its chemical components.

8.2. Exposure Controls

Appropriate Engineering Controls : Ensure all national/local regulations are observed. Use explosion-proof equipment. Proper grounding procedures to avoid static electricity should be followed. Gas detectors should be used when flammable gases/vapours may be released.

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Personal Protective Equipment : Gloves. Protective clothing. In case of splash hazard: safety glasses.



Materials for Protective Clothing : Chemically resistant materials and fabrics.
Hand Protection : Wear chemically resistant protective gloves.
Eye Protection : Chemical goggles or safety glasses.
Skin and Body Protection : Wear suitable protective clothing.
Respiratory Protection : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid
Appearance : Clear.
Odor : Low.
Odor Threshold : No data available
pH : No data available
Relative Evaporation Rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : Slower than ether
Melting Point : No data available
Freezing Point : No data available
Boiling Point : 162.22 °C (324 °F)
Flash Point : 39.9 °C (104 °F) TCC
Auto-ignition Temperature : No data available
Decomposition Temperature : No data available
Flammability (solid, gas) : No data available
Vapor Pressure : No data available
Relative Vapor Density at 20 °C : Heavier than air
Relative Density : No data available
Specific Gravity : 0.85
Solubility : Water: Nil
Log Pow : No data available
Log Kow : No data available
Viscosity, Kinematic : No data available
Viscosity, Dynamic : No data available
Explosive Properties : No data available
Oxidizing Properties : No data available
Explosive Limits : Not applicable

9.2. Other Information

VOC content : 688 g/l

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SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Product is stable.
- 10.2 Chemical Stability:** Flammable liquid and vapour.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
- 10.5 Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat (ppm)	3400 ppm/4h
ATE (Oral)	8400.000 mg/kg

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	3000 mg/kg
LC50 Inhalation Rat (mg/l)	> 5.28 mg/l/4h

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
National Toxicity Program (NTP) Status	Evidence of Carcinogenicity.

Reproductive Toxicity: Not Classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Inhalation of fumes or vapours may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: May cause cancer. May cause heritable genetic damage. May damage fertility. May damage the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Toxic to aquatic life with long lasting effects.

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LC50 Fish 1	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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12.2. Persistence and Degradability

Krystal ReFresh (315)	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

Krystal ReFresh (315)	
Bioaccumulative Potential	Not established.

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information: Handle empty containers with care because residual vapors are flammable.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : PETROLEUM DISTILLATES, N.O.S.
Hazard Class : 3
Identification Number : UN1268
Label Codes : 3
Packing Group : III
ERG Number : 128



14.2 In Accordance with IMDG

Proper Shipping Name : PETROLEUM DISTILLATES, N.O.S.
Hazard Class : 3
Identification Number : UN1268
Packing Group : III
: 3



Label Codes

EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E

14.3 In Accordance with IATA

Proper Shipping Name : PETROLEUM DISTILLATES, N.O.S.
Packing Group : III
Identification Number : UN1268
Hazard Class : 3
Label Codes : 3
ERG Code (IATA) : 3L



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SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	Solvent naphtha, petroleum, medium aliphatic (64742-88-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory	Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations

Solvent naphtha, petroleum, light aromatic (64742-95-6)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

SECTION 16: OTHER INFORMATION

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Muta. 1B	Germ cell mutagenicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled

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H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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DISCLAIMER

The information provided in this Safety Data Sheet is believed to be accurate to the best of our knowledge, information and belief at the date of its publication. The information given is designed solely as a guide for the safe handling, use, processing, storage, transportation, disposal, and release by a person trained in chemical handling. This is not to be considered a warranty or quality specification. The information relates only to the specific material designated, and may not be valid for such material used in combination with any other materials or in any process, unless specified on either the latest version of our product data sheet or safety data sheet. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.

SDS US (GHS HazCom) - US Only 10 pt 2

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