



SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 1 of 12

Version # 04

Print Date: 07-16-2024

1. IDENTIFICATION

Product Description:	FURFURAL NATURAL
CAS #	98-01-1
FEMA Number	2489
Other means of identification	
Vigon Item #	505122
Recommended use	Concentrated aromatic and flavor ingredient which may be used in flavor and fragrance compounds according to legal and IFRA or FEMA GRAS/FDA guidelines.
Recommended restrictions	For Manufacturing Use Only

Company

Vigon International, LLC
127 Airport Road
E. Stroudsburg, PA 18301
For information call: 570-476-6300
Web Site: www.vigon.com

24 Hour Emergency Response Information

INFOTRAC (ACCT# 78928);
1-800-535-5053 WITHIN THE U.S.A.
1-352-323-3500 OUTSIDE THE U.S.A.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name	Vigon International, LLC	
Address	127 Airport Road E. Stroudsburg, PA 18301 United States	
Telephone	For information call:	570-476-6300
Website	www.vigon.com	
E-mail	regulatory@vigon.com	
Emergency phone number	INFOTRAC	(ACCT# 78928);
	1-800-535-5053	WITHIN THE U.S.A.
	1-352-323-3500	OUTSIDE THE U.S.A.

2. HAZARD(S) IDENTIFICATION

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, oral	Category 3
	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 2
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3

SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 2 of 12

Version # 04

Print Date: 07-16-2024

Hazardous to the aquatic environment,
long-term hazard

Category 3

Label elements



Signal word

Danger

Hazard statement

Flammable liquid and vapor. Toxic if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Fatal if inhaled. May cause respiratory irritation. Suspected of causing cancer. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Keep cool. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wear respiratory protection.

Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. IF ON SKIN: Wash with plenty of water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment is urgent (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise
classified (HNOc)

After prolonged contact with highly porous materials, this product may spontaneously combust.

Supplemental information

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 3 of 12

Version # 04

Print Date: 07-16-2024

Chemical name	Common name and synonyms	CAS number	%
FURFURAL	PYROCIC ALDEHYDE 2-Furancarboxaldehyde furan-2-carbaldehyde 2-Oxomethylfuran FURFUROL FURAL	98-01-1	100

4. FIRST-AID MEASURES

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
Eye contact	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
Ingestion	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
Most important symptoms/effects, acute and delayed	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Not available.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
Specific methods	Use water spray to cool unopened containers.
General fire hazards	Static charges generated by emptying package in or near flammable vapor may cause flash fire.



SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 4 of 12

Version # 04

Print Date: 07-16-2024

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Methods and materials for containment and cleaning up

Collect and dispose of spillage as indicated in section 13 of the SDS.

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers.

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

Environmental precautions

Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Contaminated rags and cloths must be put in fireproof containers for disposal. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Do not store in direct sunlight. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Keep under a nitrogen blanket.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

Material	Type	Value
FURFURAL (CAS 98-01-1)	PEL	20 mg/m3 5 ppm

US. ACGIH Threshold Limit Values (TLV)

Material	Type	Value
FURFURAL (CAS 98-01-1)	TWA	0.2 ppm



SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 5 of 12

Version # 04

Print Date: 07-16-2024

NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

Material	Type	Value
FURFURAL (CAS 98-01-1)	IDLH	2.1 % 100 ppm

Biological limit values

ACGIH Biological Exposure Indices (BEI)

Material	Value	Determinant	Specimen	Sampling Time
FURFURAL (CAS 98-01-1)	200 mg/l	Furoic acid, with hydrolysis	Urine	*

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

FURFURAL (CAS 98-01-1) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

FURFURAL (CAS 98-01-1) Skin designation applies.

US - Tennessee OELs: Skin designation

FURFURAL (CAS 98-01-1) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

FURFURAL (CAS 98-01-1) Danger of cutaneous absorption

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

FURFURAL (CAS 98-01-1) Can be absorbed through the skin.

Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection Chemical resistant gloves.

Other Use of an impervious apron is recommended. Chemical resistant gloves.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. 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 Refer to Spec Sheet

Physical state Liquid.

Form Liquid.

Color Refer to Spec Sheet

Odor Characteristic.

SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 6 of 12

Version # 04

Print Date: 07-16-2024

Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	-36.58 °F (-38.1 °C)
Initial boiling point and boiling range	323.6 °F (162 °C)
Flash point	140.0 °F (60.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	2.1 %
Explosive limit - upper (%)	19.3 %(V)
Vapor pressure	2.23 mm Hg at 25 °C
Vapor density	3.3
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	0.41
Auto-ignition temperature	600.8 °F (316 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.16 g/cm3 estimated at 25 °C
Dynamic viscosity	1.49 mPa.s (77 °F (25 °C))
Explosive properties	Not explosive.
Flammability class	Combustible IIIA estimated
Kinematic viscosity	1.289 mm ² /s estimated
Molecular formula	C ₅ -H ₄ -O ₂
Molecular weight	96.08 g/mol
Oxidizing properties	Not oxidizing.
Specific gravity	1.16 estimated 1.16 estimated
Surface tension	40.7 mN/m (85.82 °F (29.9 °C))
VOC	100 % EPA estimated

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	No dangerous reaction known under conditions of normal use.



SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 7 of 12

Version # 04

Print Date: 07-16-2024

Conditions to avoid	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
Incompatible materials	Strong acids. Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products if stored and handled as indicated.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Fatal if inhaled.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Toxic if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
---	--

Information on toxicological effects

Acute toxicity	Fatal if inhaled. Toxic if swallowed. Harmful in contact with skin.
-----------------------	---

Product	Species	Test Results
FURFURAL (CAS 98-01-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	1100 mg/kg
<i>Inhalation</i>		
LC50	Rat	>= 1.63 ppm, 4 hours
<i>Oral</i>		
LD50	Rat	100 mg/kg

Skin corrosion/irritation	Causes skin irritation.
----------------------------------	-------------------------

Serious eye damage/eye irritation	Causes serious eye irritation.
--	--------------------------------

Respiratory or skin sensitization

Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
----------------------------------	---

Skin sensitization	Due to partial or complete lack of data the classification is not possible.
---------------------------	---

Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
-------------------------------	---

Carcinogenicity	Suspected of causing cancer.
------------------------	------------------------------

IARC Monographs. Overall Evaluation of Carcinogenicity

FURFURAL (CAS 98-01-1)	3 Not classifiable as to carcinogenicity to humans.
------------------------	---

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 8 of 12

Version # 04

Print Date: 07-16-2024

Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	May cause respiratory irritation.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Chronic effects	Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

Product	Species		Test Results
FURFURAL (CAS 98-01-1)			
Aquatic			
Algae	EC50	Algae	570 mg/l, 24 hours
Crustacea	LC50	Water flea (Daphnia magna)	29 mg/l, 24 hours
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	32 mg/l, 96 hours
			13.4 - 19.3 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this substance.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)
0.41

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code Not established.

US RCRA Hazardous Waste U List: Reference

FURFURAL (CAS 98-01-1)

U125

Waste from residues / unused products 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.

SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 9 of 12

Version # 04

Print Date: 07-16-2024

14. TRANSPORT INFORMATION

ADN

UN number	1199
UN proper shipping name	FURALDEHYDES
Transport hazard class(es)	6.1
Subsidiary class(es)	3
Packing group	II
Environmental hazards	No
Labels required	6.1, 3

ADR

UN number	1199
UN proper shipping name	FURALDEHYDES
Transport hazard class(es)	6.1
Subsidiary class(es)	3
Packing group	II
Environmental hazards	No
Labels required	6.1, 3

RID

UN number	1199
UN proper shipping name	FURALDEHYDES
Transport hazard class(es)	6.1
Subsidiary class(es)	3
Packing Group	II
Environmental Hazards	No
Labels required	6.1,3
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

DOT

BULK

UN number	1199
Proper shipping name	FURALDEHYDES
Hazard class	6.1
Subsidiary hazard class	3
Packing group	II
Environmental hazards	
Marine pollutant	No
Packaging exceptions	153
Packaging bulk	243
Reportable quantity	5000
Labels required	6.1, 3

DOT

NON-BULK

UN number	1199
Proper shipping name	FURALDEHYDES
Hazard class	6.1
Subsidiary hazard class	3

SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 10 of 12

Version # 04

Print Date: 07-16-2024

Packing group II
Environmental hazards
Marine pollutant No
Packaging exceptions 153
Packaging non bulk 202
Labels required 6.1, 3

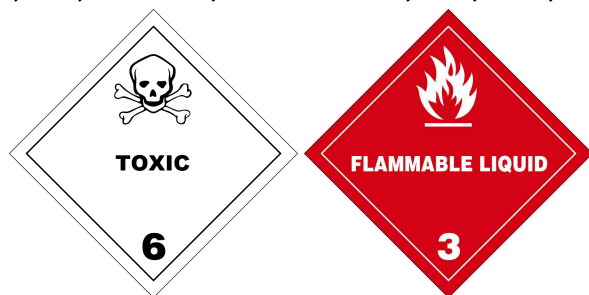
IATA

UN number 1199
UN proper shipping name FURALDEHYDES
Transport hazard class(es) 6.1
Subsidiary class(es) 3
Packing group II
Environmental hazards No
Labels required 6.1, 3

IMDG

UN number 1199
UN proper shipping name FURALDEHYDES
Transport hazard class(es) 6.1
Subsidiary class(es) 3
Packing group II
Environmental hazards
Marine pollutant No
Labels required 6.1, 3
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

ADN; ADR; DOT BULK; DOT NON-BULK; IATA; IMDG; RID



15. REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

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

Not regulated.



SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 11 of 12

Version # 04

Print Date: 07-16-2024

CERCLA Hazardous Substance List (40 CFR 302.4)

FURFURAL (CAS 98-01-1)

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

Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

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.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)

Hazardous substance

Safe Drinking Water Act (SDWA)

Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

FURFURAL (CAS 98-01-1)

High priority

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date

11-29-2015

Revision date

07-16-2024

Version #

04

HMIS® ratings

Health: 2

Flammability: 2

Physical hazard: 1



SAFETY DATA SHEET

505122 FURFURAL NATURAL

Revision Date: 07-16-2024

Page 12 of 12

Version # 04

Print Date: 07-16-2024

List of abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists.
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstract Service.
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.
IMDG: International Maritime Dangerous Goods.
MARPOL: International Convention for the Prevention of Pollution from Ships.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TWA: Time Weighted Average.

Disclaimer

Vigon International, LLC cannot 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. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, and disposal and should not be considered as a guarantee or quality specification. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. Vigon International, Inc. has performed no testing on these products in e-cig/vaping applications. It is the sole responsibility of the individual(s) purchasing this product to assess its' safety in the final application. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of Vigon's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.

Revision information

Product and Company Identification: Alternate Trade Names
FIRE-FIGHTING MEASURES: Specific methods
EXPOSURE CONTROLS/PERSONAL PROTECTION: Appropriate engineering controls
EXPOSURE CONTROLS/PERSONAL PROTECTION: Eye/face protection
EXPOSURE CONTROLS/PERSONAL PROTECTION: PPE Symbols
Physical & Chemical Properties: Multiple Properties
Toxicological Information: Toxicological Data
DISPOSAL CONSIDERATIONS: Disposal instructions
OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION: Reference
s OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION: List of abbreviations