# SECTION 1. IDENTIFICATION

# Product identifier used on the label

8+ Cetane Improver

Product Code(s) : US Product Codes: 00188, 90188, 00122P, 00123

Canadian Product Codes: 00422, 90422

Recommended use of the chemical and restrictions on use

Diesel fuel additive No restrictions on use known.

Chemical family : Mixture.

Name, address, and telephone number of Name, address, and telephone number of

Refer to manufacturer

the manufacturer: the supplier:

FPPF Chemical Company, Inc.

117 West Tupper Street Buffalo, NY, USA

14201

Manufacturer's Telephone # : 1-800-735-3773

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887

(Outside U.S.).

#### SECTION 2. HAZARDS IDENTIFICATION

## Classification of the chemical

Colourless to slightly hazy liquid. Amber liquid. Solvent odour.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification

Flammable Liquid - Category 4
Aspiration Toxicity - Category 1

Specific Target Organ Toxicity, Single Exposure - Category 3 (cns)

## Label elements

# Hazard pictogram(s)





Signal Word

# DANGER!

## Hazard statement(s)

Combustible liquid and vapor.

May be fatal if swallowed and enters airways.

May cause drowsiness and dizziness.

# Precautionary statement(s)

Keep away from flames and hot surfaces. - No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapours. Wear protective gloves and eye/face protection.

In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam for extinction.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

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

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

#### Other hazards

No OSHA defined hazard classes.

Other hazards which do not result in classification: May cause mild skin irritation. May cause mild eye irritation. Ingestion can cause gastrointestinal irritation, nausea, and diarrhea. Burning produces obnoxious and toxic fumes. Take measures to prevent the build up of electrostatic charge.

Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Common name and synonyms	CAS#	Concentration
2-Ethylhexyl nitrate	Ethylhexyl nitrate Nitric acid, 2-ethylhexyl ester	27247-96-7	45.0 - 55.0
2-Ethylhexanol	Ethyhexanol 2-ethylhexanol	104-76-7	0.5 - 1.5
Stoddard solvent (mineral spirits)	Mineral spirits White spirit	8052-41-3	55.0 - 65.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

## Description of first aid measures

Ingestion

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary oedema and pneumonitis. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell. If breathing is difficult, trained personnel should give oxygen. If breathing stops, provide artificial respiration.

Skin contact

: For skin contact, wash with soap and water while removing contaminated clothing. If irritation persists, seek prompt medical attention. Wash contaminated clothing before

reuse.

Eye contact

If in contact with eyes, immediately flush eyes with running water for at least 20 minutes. If easy to do, remove contact lens, if worn. Get medical attention if irritation develops and persists.

#### Most important symptoms and effects, both acute and delayed

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways. Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Symptoms include coughing, shortness of breath and wheezing.

May cause drowsiness and dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

Direct skin contact may cause slight or mild, transient irritation.

Direct eye contact may cause slight redness.

May cause irritation to the nose, throat and upper respiratory tract. Symptoms may include coughing, choking and wheezing.

# Indication of any immediate medical attention and special treatment needed

: Immediate medical attention is required. Provide general supportive measures and treat symptomatically. Show this safety data sheet to the doctor in attendance.

# SECTION 5. FIRE-FIGHTING MEASURES

# **Extinguishing media**

Suitable extinguishing media

Dry chemical, foam, carbon dioxide and water fog.

Unsuitable extinguishing media

: Do not use water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Combustible liquid and vapor. Keep away from flames and hot surfaces. Vapours are heavier than air and collect in confined and low-lying areas. Vapours are heavier than air and collect in confined and low-lying areas. Vapors may travel considerable distance to a source of ignition and flash back. Material will float on water and can be re-ignited at the water's surface. This product will accumulate static charge by flow, splashing or agitation. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

## Flammability classification (OSHA 29 CFR 1910.106)

: Flammable Liquid - Category 4

# **Hazardous combustion products**

: Carbon oxides Nitrogen oxides Aldehydes Other irritating fumes and smoke.

## Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

#### Special fire-fighting procedures

Move containers from fire area if safe to do so. Use water spray to keep containers cool. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

: Evacuate personnel to safe areas. Keep all other personnel upwind and away from the spill/release. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Restrict access to area until completion of clean-up. For personal protection see section 8.

# **Environmental precautions**

Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

#### Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Use only non-sparking tools. Do not use combustible absorbents, such as sawdust. Bond and ground transfer containers and equipment to avoid static accumulation. Pick up and transfer to properly labelled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

## Special spill response procedures

In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802). US CERCLA Reportable quantity (RQ): None.

# SECTION 7. HANDLING AND STORAGE

#### Precautions for safe handling

: Keep away from flames and hot surfaces. - No smoking. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection. Avoid breathing mist or vapours. Do not ingest. Avoid contact with skin, eyes and clothing. Wash hands before eating, drinking or smoking. Avoid contact with incompatible materials.

# Conditions for safe storage

Store in well-ventilated place. Keep cool. Keep tightly closed. Store locked up. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

# Incompatible materials

: Oxidizing agents, Acids, Reducing agents, Alkalies

# SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	Chemical Name ACGIH TLV			<u>PEL</u>
	<u>TWA</u>	<u>STEL</u>	PEL	<u>STEL</u>
2-Ethylhexyl nitrate	N/Av	N/Av	N/Av	N/Av
2-Ethylhexanol	N/Av	N/Av	N/Av	N/Av
Stoddard solvent (mineral spirits)	100 ppm	N/Av	500 ppm (2900 mg/m³)	N/Av

# **Exposure controls**

## Ventilation and engineering measures

: Use only outdoors or in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use non-sparking equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Skin protection

Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Wear eye/face protection. Chemical splash goggles are recommended. A full face

Eye / face protection

shield may also be necessary.

Eye wash facilities and emergency shower must be available when handling this product. Other equipment may be required depending on workplace standards.

General hygiene considerations

Other protective equipment

: Avoid breathing mist or vapours. Avoid contact with eyes, skin and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**: Colourless to slightly hazy liquid. Amber liquid.

Odour threshold : Solvent odor.

Odour threshold : N/Av

pH : N/Av
Melting/Freezing point : N/Av

Initial boiling point and boiling range

: >149°C / >300°F

Flash point : 67.9°C / 156°F Flashpoint (Method) : Tag closed cup

Evaporation rate (BuAe = 1) : Slower than n-butyl acetate

Flammability (solid, gas) : N/Ap

Lower flammable limit (% by vol.)

N/Av

Upper flammable limit (% by vol.)

: N/Av

Oxidizing properties : None known.

Explosive properties : Not explosive

Vapour pressure : <3 mm Hg

Vapour density : >1

Relative density / Specific gravity

: 0.89

Solubility in water : Insoluble.

Other solubility(ies) : N/Av

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: N/Av

Auto-ignition temperature : N/Av

Decomposition temperature : N/Av

Viscosity : N/Av

Volatiles (% by weight) : 50%

Volatile organic Compounds (VOC's)

: N/Av

Absolute pressure of container

: N/Ap

Flame projection length : N/Ap

Other physical/chemical comments

: None known or reported by the manufacturer.

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity**: Not normally reactive.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization does not occur. May be sensitive to static discharge.

Conditions to avoid : Keep away from flames and hot surfaces. Keep away from direct sunlight. Do not

use in areas without adequate ventilation. Avoid contact with incompatible materials.

Incompatible materials : Oxidizing agents, Acids, Reducing agents, Alkalies

Hazardous decomposition products

: None reported. Refer also to hazardous combustion products, Section 5.

# SECTION 11. TOXICOLOGICAL INFORMATION

# Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES

Routes of exposure skin absorption

: NO

#### **Potential Health Effects:**

## Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

• May cause drowsiness or dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause irritation to the nose, throat and upper respiratory tract. Symptoms may include coughing, choking and wheezing.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

May be fatal if swallowed and enters airways. Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing.

Symptoms include coughing, shortness of breath and wheezing.

Sign and symptoms skin : Direct skin contact may cause slight or mild, transient irritation.

Sign and symptoms eyes : Direct eye contact may cause slight or mild, transient irritation.

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**Potential Chronic Health Effects** 

 Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights. Prolonged or repeated contact may cause drying, cracking and

defatting of the skin.

Mutagenicity: Not expected to be mutagenic in humans.Carcinogenicity: Not expected to have carcinogenic effects.

Reproductive effects & Teratogenicity

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

Sensitization to material : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects : Eyes, skin, respiratory system, digestive system, central nervous system.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products

Regulations) (WHMIS 2015).

Classification Specific Target Organ Toxicity, Single Exposure - Category 3 (cns) May

cause drowsiness and dizziness.

Not classified as a specific target organ toxicity-repeated exposure.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye, respiratory and central nervous system disorders.

Synergistic materials : Not available.

**Toxicological data** : The calculated ATE values for this mixture are:

ATE oral = 205200 mg/kg ATE dermal =Not applicable.

ATE inhalation (vapours) = 35.7 mg/L/4H ATE inhalation (mists) =150 mg/L/4H

See below for individual ingredient acute toxicity data.

	LC50(4hr)	LD <sub>50</sub>	
Chemical name	inh, rat	(Oral, rat)	(Rabbit, dermal)
2-Ethylhexyl nitrate	> 14mg/L	>10mL/kg (>9600)mg/kg	> 5mL/kg (<4800)mg/kg
2-Ethylhexanol	≥1.2 - <5.3mg/L (aerosol)	2052mg/kg	No information available.
Stoddard solvent (mineral spirits)	> 5.5 mg/L (vapour)	> 5000 mg/kg	> 3000 mg/kg

# Other important toxicological hazards

: None known or reported by the manufacturer.

# SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : No data is available on the product itself.

See the following tables for individual ingredient ecotoxicity data.

## Ecotoxicity data:

la mar di carta	2421	Toxicity to Fish				
<u>Ingredients</u>	CAS No	LC50 / 96h	NOEC / 21 day	M Factor		
2-Ethylhexyl nitrate	27247-96-7	2 mg/L (Bluegill sunfish)	N/Av	None.		
2-Ethylhexanol	104-76-7	17.1 mg/L (Golden orfe)	N/Av	None.		
Stoddard solvent (mineral spirits)	8052-41-3	2.1 - 4.2 mg/L (Bluegill sunfish)	N/Av	None.		

<u>Ingredients</u>	CAS No	Toxicity to Daphnia				
		EC50 / 48h	NOEC / 21 day	M Factor		
2-Ethylhexyl nitrate	27247-96-7	> 12.6 mg/L [Daphnia magna (Water flea)]	N/Av	None.		
2-Ethylhexanol	104-76-7	39 mg/L (Daphnia magna)	N/Av	None.		
Stoddard solvent (mineral spirits)	8052-41-3	0.42 - 2.3 mg/L (Daphnia magna) (Closed systems - low end; Open systems - high end)	0.1 - 0.37 mg/L	None.		

<u>Ingredients</u>	CAS No	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
2-Ethylhexyl nitrate	27247-96-7	1.57 mg/L/72hr (Green algae)	12.6mg/L/72hr	None.		
2-Ethylhexanol	104-76-7	16.6 mg/L/72hr (Green algae)	N/Av	None.		
Stoddard solvent (mineral spirits)	8052-41-3	0.58 - 1.2 mg/L/72hr (Green algae) (Closed systems - low end; Open systems - high end)	0.16 mg/L/72hr	None.		

## Persistence and degradability

: No data is available on the product itself. 2-Ethylhexanol is considered to be readily

biodegradable.

**Bioaccumulation potential** : No data is available on the product itself.

See the following data for ingredient information.

<u>Components</u>	Partition coefficent n-octanol/ater (log Kow)	Bioconcentration factor (BCF)
2-Ethylhexyl nitrate (CAS 27247-96-7)	5.24	No information available.
2-Ethylhexanol (CAS 104-76-7)	2.9	30
Stoddard solvent (mineral spirits) (CAS 8052-41-3)	3.16 - 7.06	No information available.

Mobility in soil

: No data is available on the product itself.

# Other Adverse Environmental effects

: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

# SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

**Methods of Disposal** 

: Dispose in accordance with all applicable federal, state, provincial and local

regulations.

**RCRA** 

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and

federal environmental agencies.

# SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	NA1993	Combustible liquid, n.o.s. (stoddard solvent; 2-Ethylhexyl nitrate)	Combustible.	III	COMBUSTIBLE
49CFR/DOT Additional information	appearing here is	r road or rail shipment if packaged in non-bulk containers (450 Li s the placard to be used for bulk shipments.	,	The 'label'	
inionnation	This product me	ets the criteria for an environmentally hazardous material accord	ing to the IMDG C	ode.	
TDG	None	ets the criteria for an environmentally hazardous material accord  Not regulated.	not regulated	none	

Special precautions for user

: Keep away from flames and hot surfaces. - No smoking.

**Environmental hazards** 

: This product meets the criteria for an environmentally hazardous material according to

the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

## SECTION 15 - REGULATORY INFORMATION

# **US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

		TSCA	CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
<u>Ingredients</u>	CAS#	CAS # Inventory Quantity(RQ CFR 117.30		Hazardous Substance, 40 CFR 355:	Toxic Chemical	de minimus Concentration	
2-Ethylhexyl nitrate	27247-96-7	Yes	N/Ap	N/Av	No	N/Ap	
2-Ethylhexanol	104-76-7	Yes	N/Ap	N/Av	No	N/Ap	
Stoddard solvent (mineral spirits)	8052-41-3	Yes	None.	None.	No	N/Ap	

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Fire Hazard; Acute Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

# **US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS#	California Proposition 65		State "Right to Know" Lists					
	JAC II	Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
2-Ethylhexyl nitrate	27247-96-7	No	Not listed	No	No	No	No	No	No
2-Ethylhexanol	104-76-7	No	Not listed	No	Yes	No	No	Yes	No
Stoddard solvent (mineral spirits)	8052-41-3	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes

# **Canadian Information:**

All ingredients are present on the DSL. Refer to Section 2 for a WHMIS Classification for this product.

#### **International Information:**

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS#	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
2-Ethylhexyl nitrate	27247-96-7	248-363-6	Present	Present	(2)-3598	KE-13803	Present	May be used as a single component chemical under an appropriate group standard
2-Ethylhexanol	104-76-7	203-234-3	Present	Present	(2)-217	KE-13766	Present	HSR001386
Stoddard solvent (mineral spirits)	8052-41-3	232-489-3	Present	Present	(9)-1702; (9)-1702	KE-32199	Present	HSR001498

## SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists

ATE: Acute Toxicity Estimate

CA: California

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

of 1980

CFR: Code of Federal Regulations CNS: Central Nervous System

CSA: Canadian Standards Association DOT: Department of Transportation EC50: Effective Concentration 50%.

EINECS: European Inventory of Existing Commercial chemical Substances

ENCS: Existing and New Chemical Substances EPA: Environmental Protection Agency HMIS: Hazardous Materials Identification System HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer IMDG: International Maritime Dangerous Goods

Inh: Inhalation

KECI: Korean Existing Chemicals Inventory KECL: Korean Existing Chemicals List

LC: Lethal Concentration LD: Lethal Dose MA: Massachusetts

MN: Minnesota MSHA: Mine Safety and Health Administration

N/Ap: Not Applicable N/Av: Not Available

NFPA: National Fire Protection Association

NIOSH: National Institute of Occupational Safety and Health

NJ: New Jersey

NOEC: No observable effect concentration NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PA: Pennsylvania

PEL: Permissible exposure limit

PICCS: Philippine Inventory of Chemicals and Chemical Substances

RCRA: Resource Conservation and Recovery Act

RI: Rhode Island

RTECS: Registry of Toxic Effects of Chemical Substances SARA: Superfund Amendments and Reauthorization Act

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values
TPQ: Threshold Planning Quantity

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TSCA: Toxic Substance Control Act TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

References

: Material Safety Data Sheet from manufacturer Information taken from reference works and the literature. Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM). OECD- The Global Portal to Information on Chemical Substances - eChemPortal, 2015 European Chemicals Agency, Classification Legislation, 2015 National occupational exposure

limits

Preparation Date (mm/dd/yyyy)

: 07/02/2015

#### Other special considerations for handling

: Provide adequate information, instruction and training for operators.

## Prepared for:

FPPF Chemical Company, Inc. 117 West Tupper Street Buffalo, NY, USA 14201 Telephone: 1-800-735-3773

Please direct all enquiries to FPPF Chemical Company

## Prepared by:

ICC The Compliance Center Inc.

Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada)

http://www.thecompliancecenter.com



## **DISCLAIMER**

This Material Safety Data Sheet was prepared by ICC The Compliance Center Inc using information provided by / obtained from FPPF Chemical Company, Inc and CCOHS' Web Information Service. The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and FPPF Chemical Company, Inc expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

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