PLAC	CID	Fuel Ethanol Safety Data Sheet According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations Revision Date: 11/20/2017 Date of Issue: 04/05/2015	Version: 2.0
SECTION 1: IDENTIFIC	CATION		
1.1. Product Ident			
Product Form: Mixture			
Product Name: Fuel Eth	anol		
1.2. Intended Use	of the Product		
Use of the Substance/N	lixture: Fuel.		
1.3. Name, Addres	s, and Telepho	ne of the Responsible Party	
Customer	-		
Placid Refining Co. LLC			
1940 Highway 1 North			
Port Allen, LA 70767			
Ph: 225-387-0278			
www.placidrefining.com			
• •	lephone Numb		
Emergency Number		: 225-387-0278, 800-424-9300 (CHEMTREC)	
SECTION 2: HAZARDS	5 IDENTIFICAT	ION	
2.1. Classification	of the Substand	ce or Mixture	
GHS-US Classification			
Flam. Liq. 1	H224		
Skin Irrit. 2	H315		
Eye Irrit. 2A	H319		
Muta. 1B	H340		
Carc. 1B	H350		
Repr. 2	H361		
Aquatic Acute 2	H401		
Aquatic Chronic 2 Full text of hazard classe	H411	nts , soo Sostion 16	
2.2. Label Element		This . See Section 10.	
	.5		
GHS-US Labeling Hazard Pictograms (GHS	(211.2		
	5-03)		
Signal Word (GHS-US)		: Danger	
Hazard Statements (GH	S-US)	: H224 - Extremely 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. H411 - Toxic to aquatic life with long lasting effects.	
Precautionary Stateme	nts (GHS-US)	: P201 - Obtain special instructions before use.	
. reconcional y statemen		P202 - Do not handle until all safety precautions have been read and un	derstood.
		P210 - Keep away from extremely high or low temperatures, ignition so	
		incompatible materials No smoking.	,
		P233 - Keep container tightly closed.	
		P240 - Ground/Bond container and receiving equipment.	
		P241 - Use explosion-proof electrical, ventilating, and lighting equipmen	ıt.

- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P264 Wash hands, forearms, and other exposed areas thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, and eye protection.

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P303+P361+P353 - If on skin (or hair): 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 on this SDS).

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use appropriate media (see Section 5) to extinguish. P391 - Collect spillage.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Contains benzene, a regulated human carcinogen. Benzene has the potential to cause anemia and other blood diseases, including leukemia, after repeated and prolonged exposure. Exposure to light hydrocarbons in the same boiling range as this product has been associated in animal studies with systemic toxicity. See also Section 11 – Toxicological Information.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2.	Mixture
3.2.	INING

Name	Product Identifier	%	GHS-US classification
Ethyl alcohol	(CAS No) 64-17-5	95 - 98	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Gasoline, natural	(CAS No) 8006-61-9	2 - 5	Flam. Liq. 1, H224 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

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

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Causes serious eye irritation. Causes skin irritation. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

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Chronic Symptoms: May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Extremely flammable liquid and vapor.

Explosion Hazard: May form flammable or explosive vapor-air mixture.

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

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. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. **Hazardous Combustion Products:** Smoke, flammable hydrocarbons, carbon oxides, incomplete hydrocarbon combustion products.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Do not breathe vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to 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. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

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

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take precautionary measures against static discharge. Use only non-sparking tools. Do not breathe mist/vapors/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do NOT breathe (dust, vapor, mist, gas).

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. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

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Storage Conditions: Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place. **Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Fuel.

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), or OSHA (PEL).

Ethyl alcohol (64-17-5)			
USA ACGIH	ACGIH STEL (ppm)	1000 ppm	
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans	
USA NIOSH	NIOSH REL (TWA) (mg/m³)	1900 mg/m ³	
USA NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm	
USA IDLH	US IDLH (ppm)	3300 ppm (10% LEL)	
USA OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m ³	
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm	

8.2. Exposure Controls

8.2. Exposure Controls	
Appropriate Engineering Controls	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.
Personal Protective Equipment	: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.
Materials for Protective Clothing	: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant
Hand Protection Eye and Face Protection Skin and Body Protection Respiratory Protection	 clothing. Wear protective gloves. Chemical safety goggles. Wear suitable protective clothing. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information	· When using, do not eat, drink or smoke.
SECTION 9: PHYSICAL AND CHEM	ICAL PROPERTIES
9.1. Information on Basic Physic	al and Chemical Properties
Physical State	: Liquid
Appearance	: Clear, Colorless Liquid
Odor	: Alcoholic
Odor Threshold	: No data available
рН	: No data available
Evaporation Rate	: 3.2 BuAc
Melting Point	: 32 °F (0 °C)
Freezing Point	: 32 °F (0 °C)
Boiling Point	: 165 - 175 °F (73.89 - 79.44 °C)
Flash Point	: -5 °F (-20.56 °C) (Tagliabue)
Auto-ignition Temperature	: 685 °F (362.78 °C)
Decomposition Temperature	: No data available

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Flammability (solid, gas)	: Not applicable
Vapor Pressure	: 96 mm Hg @ 68 °F (20 °C)
Relative Vapor Density at 20°C	: No data available
Relative Density	: 0.79 @ 60 °F (16 °C)
Density	: 6.58 lb/gal
Solubility	: Water: Completely Soluble
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
9.2. Other Information	
No additional information available	
SECTION 10: STABILITY AND REACTIVITY	
10.1. Reactivity: Reacts violently with strong	oxidizers. Increased risk of fire or explosion.

10.2. Chemical Stability: Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials: Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products: None expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

Ethyl alcohol (64-17-5)		
LD50 Oral Rat	10470 mg/kg	
LD50 Dermal Rat	20 ml/kg	
LC50 Inhalation Rat	124.7 mg/l/4h	
Gasoline, natural (8006-61-9)		
LC50 Inhalation Rat	300 g/m ³ (Exposure time: 5 min)	
· · · · · ·		

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.

Ethyl alcohol (64-17-5)	
IARC group	1
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

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Ecology - General	: Harmful to aquatic life. Harmful to aquatic life with long lasting effects.	
Ethyl alcohol (64-17-5)		
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
LC50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
ErC50 (Algae)	1000 mg/l	
Gasoline, natural (8006-61-9)		

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LC50 Fish 1	56 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
12.2. Persistence and D	egradability
Fuel Ethanol	
Persistence and Degradability	May cause long-term adverse effects in the environment.
12.3. Bioaccumulative F	Potential
Fuel Ethanol	
Bioaccumulative Potential	Not established.
Ethyl alcohol (64-17-5)	
Log Pow	-0.32
Gasoline, natural (8006-61-9)	
Log Pow	2.1 - 6.0
12.4. Mobility in Soil	
No additional information ava	ilable
12.5. Other Adverse Eff	ects
Other Information	: Avoid release to the environment.
SECTION 13: DISPOSAL CO	DNSIDERATIONS
13.1. Waste Treatment	Methods
Waste Disposal Recommenda	ations: Dispose of contents/container in accordance with local, regional, national, and international
regulations.	
	dle empty containers with care because residual vapors are flammable.
	void release to the environment. This material is hazardous to the aquatic environment. Keep out
of sewers and waterways.	
SECTION 14: TRANSPORT	
	ated herein were prepared in accordance with certain assumptions at the time the SDS was
	on a number of variables that may or may not have been known at the time the SDS was issued.
14.1. In Accordance wit	
Proper Shipping Name	: ALCOHOLS, N.O.S., (ETHANOL, GASOLINE)
Hazard Class	: 3
Identification Number	: UN1987
Label Codes	: 3
Packing Group	:

Marine Pollutant	: Marine pollutant
ERG Number	: 127
14.2. In Accordance wi	th IMDG
Proper Shipping Name	: ALCOHOLS, N.O.S., (ETHANOL, GASOLINE)
Hazard Class	: 3
Identification Number	: UN1987
Packing Group	: 1
Label Codes	: 3
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Marine Pollutant	: Marine pollutant
14.3. In Accordance wi	th IATA
Proper Shipping Name	: ALCOHOLS, N.O.S., (ETHANOL, GASOLINE)
Packing Group	:
Identification Number	: UN1987
Hazard Class	: 3
Label Codes	: 3

: 3L

SECTION 15: REGULATORY INFORMATION

15.1.	US Federal Regulations	
Fuel Eth	anol	

SARA Section 311/312 Hazard Classes

Fire hazard

ERG Code (IATA)

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	Immediate (acute) health hazard
	Delayed (chronic) health hazard
Ethyl alcohol (64-17-5)	
Listed on the United States TSCA (Toxic Substances Cont	rol Act) inventory
Gasoline, natural (8006-61-9)	
Listed on the United States TSCA (Toxic Substances Cont	rol Act) inventory
15.2. US State Regulations	
Ethyl alcohol (64-17-5)	
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer. Ethyl Alcohol is included on the Proposition 65 list when it is used in alcoholic beverages.
U.S California - Proposition 65 - Developmental Toxicity	WARNING: This product contains chemicals known to the State of California to cause birth defects. Ethyl Alcohol is included on the Proposition 65 list when it is used in alcoholic beverages.
Ethyl alcohol (64-17-5)	
U.S Massachusetts - Right To Know List	
U.S New Jersey - Right to Know Hazardous Substance L	ist
U.S Pennsylvania - RTK (Right to Know) List	
Gasoline, natural (8006-61-9)	
U.S Massachusetts - Right To Know List	
U.S New Jersey - Right to Know Hazardous Substance L	
SECTION 16: OTHER INFORMATION, INCLUDING	G DATE OF PREPARATION OR LAST REVISION
Date of Preparation or Latest Revision	: 11/20/2017
Other Information	: This document has been prepared in accordance with the SDS
	requirements of the OSHA Hazard Communication Standard 29 CFR
Other Information	
Other Information GHS Full Text Phrases:	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Other Information GHS Full Text Phrases: Aquatic Acute 2	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 2
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2 Skin Irrit. 2	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 2 Skin corrosion/irritation Category 2
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2 Skin Irrit. 2 STOT SE 3	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 2 Skin corrosion/irritation Category 2 Specific target organ toxicity (single exposure) Category 3
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2 Skin Irrit. 2 STOT SE 3 H224	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 1B Reproductive toxicity Category 2 Skin corrosion/irritation Category 2 Specific target organ toxicity (single exposure) Category 3 Extremely flammable liquid and vapor
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2 Skin Irrit. 2 STOT SE 3 H224 H225	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 2 Skin corrosion/irritation Category 2 Specific target organ toxicity (single exposure) Category 3 Extremely flammable liquid and vapor Highly flammable liquid and vapor
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2 Skin Irrit. 2 STOT SE 3 H224 H225 H304	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 2 Skin corrosion/irritation Category 2 Specific target organ toxicity (single exposure) Category 3 Extremely flammable liquid and vapor Highly flammable liquid and vapor May be fatal if swallowed and enters airways
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2 Skin Irrit. 2 STOT SE 3 H224 H225 H304 H315	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 2 Skin corrosion/irritation Category 2 Skin corrosion/irritation Category 2 Specific target organ toxicity (single exposure) Category 3 Extremely flammable liquid and vapor Highly flammable liquid and vapor May be fatal if swallowed and enters airways Causes skin irritation
Other Information GHS Full Text Phrases: Aquatic Acute 2 Aquatic Chronic 2 Asp. Tox. 1 Carc. 1B Eye Irrit. 2A Flam. Liq. 1 Flam. Liq. 2 Muta. 1B Repr. 2 Skin Irrit. 2 STOT SE 3 H224 H225 H304 H315 H319	requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2 Aspiration hazard Category 1 Carcinogenicity Category 1B Serious eye damage/eye irritation Category 2A Flammable liquids Category 1 Flammable liquids Category 2 Germ cell mutagenicity Category 1B Reproductive toxicity Category 2 Skin corrosion/irritation Category 2 Specific target organ toxicity (single exposure) Category 3 Extremely flammable liquid and vapor Highly flammable liquid and vapor May be fatal if swallowed and enters airways Causes skin irritation Causes serious eye irritation
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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. SDS US (GHS HazCom)