GULF PRO 4 T Fuel
Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : **Gulf Pro 4 T Fuel**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Fuel

1.3. Details of the supplier of the safety data sheet

#1 FUEL IRISH TED-MENA LIMITED
Unit 12C Beulah Building
Finisklin Road
Sligo F91R2V5, Ireland

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 1	H224
STOT SE 3	H336
STOT SE 1	H370
Asp Tox 1	H304
Skin Irrit 2	H315
Repr 2	H361
STOT SE 2	H371
STOT RE 1	H372
Aqua Chronic 2	H411

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H224 - Extremely flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H361 – Suspected of damaging fertility or the unborn child
H370 – Causes Damage to organs
H371 – May cause damage to organs
H372 - Causes damage to organs thru prolonged or repeated exposure
H411 – Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) : 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 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P270 – Do not eat, Drink or Smoke when using this product
P273 - Avoid release to the environment
P280 – Wear protective gloves/protective clothing/eye protection / face protection
P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
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

P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P312 - Call a POISON CENTER/doctor/physician if you feel unwell
P314 - Get medical advice and attention if you feel unwell
P331 - If swallowed, do NOT induce vomiting
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P370+P378 - In case of fire: Use CO2, dry chemical, foam (AFFF/ATC) or water spray for extinction
P391 - Collect spillage
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
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/international regulations.

2.3. Other hazards

Flammable vapors can accumulate in head space of closed systems.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Naphtha (petroleum), full-range alkylate	(CAS No) 68527-27-5	0 - 100	Flam Liq 1, H224 Skin Irrit 2, H315 Asp Haz 2, H304 STOT SE 3, H336 STOT SE 1, H370 Repr Tox 2, H361 STOT SE 2, H371 STOT RE 1, H372 Aquat Chronic 2, H411

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air. If not breathing, administer CPR or artificial respiration. Get immediate medical attention.

First-aid measures after skin contact : After contact with skin, wash immediately with plenty of water and soap. If skin reddening or irritation develops, seek medical attention. If on clothes, remove clothes.

First-aid measures after eye contact : Immediately flush the eyes with plenty of water for at least 15 minutes while holding eyelids apart to ensure flushing of the entire surface of the eye. Remove contact lenses. Continue flushing for an additional 15 minutes if a physician is not immediately available. Seek medical attention, preferably an ophthalmologist, immediately.

First-aid measures after ingestion : If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting unless directed to do so by medical personnel. Do not give milk or alcoholic beverages. Never give anything to an unconscious person.

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

Symptoms/injuries after inhalation : Breathing high concentrations may be harmful. May cause central nervous system depression or effects. Symptoms may include headache, excitation, euphoria, dizziness, incoordination, drowsiness, light-headedness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death, depending on the concentration and duration of exposure. Breathing high concentrations of this material, for example, in a confined space or by intentional abuse, can cause irregular heartbeats which can cause death.

Symptoms/injuries after skin contact : Contact may cause reddening, itching and inflammation.

Symptoms/injuries after eye contact : Contact may cause pain and severe reddening and inflammation of the conjunctiva. Effects may become more serious with repeated or prolonged contact.

Symptoms/injuries after ingestion : May cause irritation of the mouth, throat and gastrointestinal tract. May cause central nervous system depression or effects. Symptoms may include salivation, pain, nausea, vomiting and diarrhea. Exposure may also cause central nervous system symptoms similar to those listed under “Inhalation”

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : CO_2, dry chemical, foam (AFFF/ATC), fog or water spray, Alcohol-resistant foam.
Water can be used to keep surrounding materials cool.

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable liquid and vapor.

Explosion hazard : In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard,vapors may travel long distances along ground before igniting/flashing back to vapor source.

5.3. Advice for firefighters

Protection during firefighting : Firefighters should not enter fire area without proper protective equipment, including respiratory protection – wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

6.1.2. For emergency responders

Equip clean-up crew with proper protection. Use appropriate personal protection equipment (PPE). **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. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	:	If possible, stop flow of product.
Methods for cleaning up	:	Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Use appropriate grounding and bonding practices. Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area. Avoid formation of aerosol. Do not breathe vapors/dust. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. Do not cut, drill, grind or weld on empty containers since they may contain explosive residues. Avoid skin contact. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, awayfrom incompatible materials (see section 10) and food and drink. No Smoking. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready foruse. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3. Specific end use(s)

Fuel

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

None Listed

8.2. Exposure controls

Appropriate engineering controls	:	Local exhaust and general ventilation must be adequate to meet exposure standards. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	:	Wear impervious gloves to minimize skin contact. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion and contact time.
Eye protection	:	Safety glasses. Wear splash goggles if splashing is likely.
Skin and body protection	:	Wear suitable working clothes. Workers should wear antistatic footwear.
Respiratory protection	:	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Air-Purifying Respirator for Organic Vapors.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Odor	:	Gasoline/ hydrocarbon like odor
Odor threshold	:	No data available
pH	:	Neutral
Relative evaporation rate (butylacetate=1)	:	No data available
Boiling point	:	88 – 122 °F (31 - 50° C)
Flash point	:	-45 - -9°F (-43 - -23°C) Method: Tag Closed cup (estimated)

Self ignition temperature	: 536 – 878°F (280 - 470°C)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 4.1 to 5.1 psia (@100°F)
Relative vapor density at 20 °C	: 3
Specific gravity	: No data available
Solubility	: Negligible.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: <1 mm2/s at 100.0° F (37.8°C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : 100 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Vapors may form explosive mixture with air.

10.4. Conditions to avoid

Heat, flames, and other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Combustion produces carbon monoxide, aldehydes, aromatic and other hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful in contact with skin. Harmful if inhaled.

Naphtha (petroleum), full-range alkylate (68527-27-5)	
LD50 rat	>5,000 mg/kg
LC50 inhalation rat	>5610 mg/m3
LD50 Rabbit	>2,000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation
Respiratory or skin sensitization	: May be fatal if swallowed and enters airways
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer. Mineral oils are known to cause cancer because of carcinogenic components (e.g. benzene). The mineral oil in this product is highly refined and should not be considered a carcinogen. Used lubricating oil may contain hazardous components which have the potential to cause skin cancer. Continuous long-term contact with used lubricating oils has caused skin cancer in animal tests
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure. Affected organs include: blood, kidneys, reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Aspiration hazard : May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general : Harmful to aquatic life with long lasting effects.

Naphtha (petroleum), full-range alkylate (68527-27-5)	
LL50: 8.2 mg/l	Exposure time: 96 H Species: Pimephales Promelas Semi static test Test substance: Light alkylate naphtha
EL50: 4.5 mg/l	Exposure time: 48 H Species: Daphnia magna (Water flea)
EL50: 4.5 mg/l	Exposure Time: 96 h Species: Pseudokirchneriella Subcapitata (algae) Growth inhibition
NOELR: 18 mg/l	Exposure Time : 96 Hours Species: Pseudokirchneriella subcapitata (aglae) Growth inhibition
LL50 5.2 mg/l	Exposure Time: 14 d Species Pimephales Promelas (fathead minnow)
NOELR: 2.6 mg/l 10mg/l	Exposure Time: 21d Species: daphnia magna Reproduction Test – Test Substance: light alkylate naphtha Exposure time: 21 d Species: Daphnia magna
Biodegradability	Inherently biodegradable

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Avoid release to the environment

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

Product : The products should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated Packaging : Empty Remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on the empty drum.

SECTION 14: Transport information

In accordance with DOT

UN-No.(DOT)	:	1268
DOT Proper Shipping Name	:	Petroleum Distillates,N.O.S
Department of Transportation (DOT) Hazard Classes	:	3
Packing group (DOT)	:	II - Medium Danger
Labels	:	3

SECTION 15: Regulatory Information

15.1. US Federal regulations

Naphtha (petroleum), full-range alkylate (68527-27-5)	
SARA 311/312 Hazards	Fire Hazard Immediate (acute) Health Hazard Delayed (Chronic) Health Hazard

15.2. US State regulations

Naphtha (petroleum), full-range alkylate (68527-27-5)	
U.S. – California – Proposition 65 – Ingredients	This product does not contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects.

SECTION 16: Other information

Full text of H-phrases:

Asp. Tox. 1	Aspiration hazard Category 1
Flam. Liq. 1	Flammable liquids Category 1
Aquatic Chronic1	Chronic Aquatic Toxicity
Aquatic Acute1	Acute Aquatic Toxicity
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 1	Causes damage to organs Category 1
Repro Tox 2	Reproductive Toxicity Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 2	Specific Target Organ Toxicity – Single exposure Category 2
STOT RE 1	Specific Target Organ toxicity- Repeated exposure Category 1
Aquatic Chronic 2	Hazardous to aquatic environmental long term/ chronic Category 2
H224	Extremely flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H370	Specific Target Organ Toxicity - Single Exposure
H371	May cause damage to organs

H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H361	Suspected of damaging fertility or the unborn child

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

Trade Secret Provision: *In accordance with OSHA regulations and policies, the specific percentages and specific names of certain chemicals are being designated a trade secret and are not disclosed herein. In compliance with current regulations, this SDS provides the necessary properties and effects of the chemicals listed for this product. In cases of medical emergency, medical personnel can contact the emergency number listed and obtain the specifics of these chemicals. Should this need arise, we will request the attending physician provide to us, at such time as appropriate, a letter stating the medical necessity and a signature of confidentiality for the obtained information.*