



SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS REVISION 5, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME

IXL Technologies, LLC
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Safety Data Sheet Competent Person:

DATE PREPARED: August 10, 2015

REVISION DATE: August 14, 2015

PRODUCT NAME:

Regen Fix Premium Diesel Treatment

FORMULA:

Preparation/Mixture

PRODUCT USE:

Fuel additive for diesel engines

Section 2: Hazards Identification

GHS Hazard Class



Flammable liquid -- Category 3
Acute Toxicity Oral -- Category 2
Acute Toxicity Inhalation -- Category 1
Skin Corrosion/irritation -- Category 3
Serious Eye Damage -- Category 2B
Carcinogenicity -- Category 1B (Naphtha (petroleum), Heavy Alkylate)
Germ Cell Mutagenicity -- Category 1B
Specific Target Organ Toxicity -- Single Exposure -- 1
Specific Target Organ Toxicity -- Repeated Exposure -- 1
Aspiration hazard -- Category 1
Aquatic Toxicity -- Acute -- Category 1
Aquatic Toxicity -- Chronic -- Category 2

Signal word:

Danger

Hazard Statement:

H226: Flammable liquid and vapor
H304: May be fatal if swallowed and enters airways
H332: Harmful if inhaled
H316: Causes mild skin irritation
H320: Causes eye irritation
H335: May cause respiratory irritation (respiratory tract irritation, narcotic effects)
H336: May cause drowsiness or dizziness (respiratory tract irritation, narcotic effects)
H340: May cause genetic defects
H350: May cause cancer
H371: May cause damage to organs (lung)
H372: Causes damage to organs through prolonged or repeated exposure (central nervous system, lung, skin, and kidney)
H401: Toxic to aquatic life

Precautionary Statements:

Prevention

H411: Toxic to aquatic life with long lasting effects
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P271: Use only outdoors or in a well-ventilated area.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P264: Wash hands thoroughly after handling.
P202: Do not handle until all safety precautions have been read and understood.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.

Response

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.



P330: Rinse mouth.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P308+P313: IF exposed or concerned: Get medical advice/attention.
 P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331: Do NOT induce vomiting.
 P391: Collect spillage.
 P405: Store locked up.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P501: Dispose of contents/container in accordance with waste disposal requirements of your country, state, or local authorities.

Storage

Disposal

Hazards not otherwise classified (HNOC) or not covered by GHS - None

HAZARD CLASSIFICATION:

Flammable liquid (based on IATA, IMDG and DOT)

FIRE AND EXPLOSION:

Decomposition products are oxides of carbon and nitrogen.

POTENTIAL HEALTH EFFECTS:

<1 % of mixture consists of ingredients of unknown acute toxicity

APPEARANCE:

Dark Amber

NFPA Rating:

Component	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
Product	2	2	1	----

Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPROX %	CAS NO.	EC NO.	CANADA DSL
Naphtha (petroleum), Heavy Alkylate	<55	64741-65-7	265-067-2	Y
Solvent Naphtha (petroleum), light aromatic	<40	64742-95-6	265-199-0	Y
Ethylhexyl Nitrate	<10	27247-96-7	248-363-6	Y
Petroleum Base Oil & Additives	<5	64741-88-4	265-090-8	Y
Petroleum Distillates	<5	60-33-3	200-470-9	Y
Petroleum Lubricant & Proprietary Ingredient	<5	64742-54-7	265-157-1	Y

Some items on this SDS may be designated as trade secrets (TS). Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13.

Section 4: First Aid Measures

Description of First Aid Measures

Inhalation

Remove to fresh air. If not breathing, give artificial respiration and contact a physician immediately. If breathing is difficult, administer oxygen and contact a physician immediately.

Skin Contact

Wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.



Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove any contact lenses if worn. Get medical attention if irritation develops or persists.

Ingestion

If swallowed, do NOT induce vomiting, but have the victim rinse mouth with water, and then drink 2 - 4 cupfuls of water. Get immediate medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries after Inhalation

Vapor inhalation and/or skin absorption can cause central nervous system effects, including dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Chronic exposures may cause hearing loss, irregular heart rhythms and potential cardiac arrest. Moderately irritating to respiratory tract.

Symptoms/Injuries after Skin Contact

Prolonged or repeated contact may result in drying of the skin which may result in skin irritation and dermatitis.

Symptoms/Injuries after Eye Contact

Contact with eyes may cause irritation or discomfort.

Symptoms/Injuries after Ingestion

Liquid can directly enter the lungs when swallowed or vomited. Serious lung damage and possibly fatal chemical pneumonia can develop if this occurs.

Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately.

Note to Physician

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated, charcoal in 400 mls of water and mix thoroughly. Administer 5 ml/kg or 350 ml for an average adult. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia. Light hydrocarbons have been associated with cardiac sensitization in abuse situations. Hypoxia or the injection of adrenaline-like substances enhanced these effects.

Section 5: Fire-fighting Measures

Suitable extinguishing media

Use foam, dry chemical, water spray, or carbon dioxide.

Special hazards arising from the substance or mixture

Vapors will burn releasing toxic vapors, fumes and smoke, including carbon monoxide and organic vapors. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture or explosion.

Protective actions fire-fighters

Wear standard protective equipment and self contained breathing apparatus for firefighting if necessary.

Further information

When heated above 100°C, may undergo a self-accelerating, exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperatures. Spray storage vessels with water to maintain temperature below 100°C.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Wear proper personal protective equipment. Avoid breathing vapors or mist.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent spills or contaminated rinse water from entering sewers or watercourses.

Methods and materials for containment and cleaning up

In case of small spills, absorb spills with inert material. Transfer to a chemical waste container and dispose of properly. Spills are extremely slippery and should be cleaned up immediately. In case of large spills, stop the source of the leak, if it is safe to do so. Contain spilled material. Vacuum or sweep up material and place in a disposal container. Absorb residue with inert material (e.g. dry sand or earth), then place in a chemical waste container. Do not flush to sewer. Use explosion-proof equipment during clean-up.



Reference to other Sections For personal protection reference section 8. For disposal reference section 13.

Section 7: Handling and Storage

Precautions for safe handling

- Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.
- Do not smoke while using
- Do not re-use empty containers
- Wear personal protective equipment
- Avoid prolonged exposure
- Use only with adequate ventilation
- Do not inhale vapors
- Avoid spilling and releasing vapor
- Avoid contact with skin, eyes, or clothing
- Wash hands and face after handling this material
- Appropriate container should be used for disposal
- For precautions see section 2

Conditions for safe storage, including any incompatibilities

- Secure containers after each use
- Store upright in a cool, dry place
- Keep away from heat, sparks, flame, direct sunlight, and other possible sources of ignition
- Keep out of reach of children
- Ground containers when transferring material
- Avoid contact with strong oxidizing agents
- Keep away from food, drink, and animal feedingstuffs
- Utilize chemical segregation
- Follow all applicable local regulations for handling and storage

Specific uses

- Fuel additive for diesel engines

Section 8: Exposure Controls/Personal Protection

Control Parameters

PRODUCT COMPOSITION	CAS	ACGIH TLV	OSHA PEL	NIOSH REL
Solvent Naptha (petroleum), light aromatic	64742-95-6	--	TWA 500 ppm	--
1,2,4-Trimethylbenzene	95-63-6	TWA 25 ppm	None	TWA 25 ppm (125 mg/m ³)
Naphthalene	91-20-3	--	TWA 10 ppm (50 mg/m ³)	TWA 10 ppm (50 mg/m ³) ST 15 ppm (75 mg/m ³)

Exposure controls

VENTILATION:

Always provide good general, mechanical room ventilation where this chemical/material is used.

SPECIAL VENTILATION CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or the CEN European Standards (EU). Use a NIOSH/MSHA or European Standard (EN) approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

PROTECTIVE GLOVES:

Neoprene, butyl, or nitrile rubber gloves are recommended.

EYE PROTECTION:

Recommend eye protection using safety glasses with side shields.



SKIN PROTECTION:

When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

WORK/HYGIENE PRACTICES:

Avoid breathing vapor. Avoid contact with skin and eyes.

OTHER EQUIPMENT:

Wash hands after handling.

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

Section 9: Physical and Chemical Properties

	PRODUCT CRITERIA
APPEARANCE - COLOR:	Dark Amber
PHYSICAL STATE:	Liquid
ODOR:	Aromatic hydrocarbon
ODOR THRESHOLD	No data available
PH	Not applicable
MELTING POINT/FREEZING POINT:	No data available
INITIAL BOILING POINT AND BOILING RANGE:	No data available
FLASH POINT:	46°C (115°F)
EVAPORATION RATE:	No data available
FLAMMABILITY (Solid, gas)	No data available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not Measured
VAPOR PRESSURE	No data available
VAPOR DENSITY (AIR = 1)	No data available
SPECIFIC GRAVITY (@15°C):	0.923
SOLUBILITY(IES)	Nil
OXIDIZING PROPERTIES	No data available
PARTITION COEFFICIENT: n-octanol/water	No data available
AUTO IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY (@40°C)	7.54 cSt
VISCOSITY (@20°C)	12.28 cSt

Section 10: Stability and Reactivity

Reactivity:

Not reactive.

Chemical Stability:

Stable

Possibility of Hazardous Reactions:

Avoid contact with strong oxidizing agents, such as nitric and sulfuric acids, halogens, hydrogen peroxide and chlorinating agents. May burn or react violently with fluorine/oxygen mixtures with 50-100% fluorine. Decomposes with heat.

Conditions to Avoid:

Sources of ignition and temperatures above 50°C (122°F) - 60°C (140°F).

Incompatibility (Materials to Avoid):

Strong oxidizers. Fluorine/oxygen mixtures.

Hazardous Decomposition Products:

In the case of fire, a complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide, smoke and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

Section 11: Toxicological Information

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent
Acute Toxicity	LC50(inhalation/Rat):	2.18 mg/L	Category 1	Petroleum Base Oil & Additives
	LD50(Oral/Rat):	2210 mg/kg	Category 5	Benzene, 1,2,4-Trimethylbenzene
	LD50(Oral/Rat):	2600 mg/kg	Category 5	Naphthalene
	LD50(Oral/Rat):	10 ml/kg	Category 2	Solvent Naphtha (petroleum), light aromatic
Skin Corrosion/Irritation		Mild irritation	Category 3	Petroleum Base Oil & Additives
Serious Eye Damage /		Mild irritation	Category 2B	Ethylhexyl Nitrate



Eye Irritation				
Respiratory or Skin Sensitization		No data available		
Germ Cell Mutagenicity		Suspected of causing genetic defects	Category 2	Petroleum Base Oil & Additives
Carcinogenicity	NTP			
	IARC	May cause cancer	Category 1A	Petroleum Base Oil & Additives.
		May cause cancer	Category 1B	Naphtha (petroleum), Heavy Alkylate
	OSHA			
Reproductive Toxicity	No data available			
STOT -- Single Exposure	May cause damage to organs (lung)		Category 3	Petroleum Base Oil & Additives
	May cause drowsiness or dizziness (respiratory tract irritation, narcotic effects).		Category 3	Benzene, 1,2,4-Trimethylbenzene
STOT – Repeated Exposure	Causes damage to organs through prolonged exposure (lung, skin)		Category 1	Petroleum Base Oil & Additives
	May cause damage to organs through prolonged or repeated exposure (central nervous system, lung)		Category 2	Benzene, 1,2,4-Trimethylbenzene
Aspiration Hazard	May be fatal if swallowed and enters airways		Category 1	Petroleum Base Oil & Additives
			Category 1	Naphtha (petroleum), Heavy Alkylate
			Category 1	Benzene, 1,2,4-Trimethylbenzene

STOT = Specific Target Organ Toxicity

Section 12: Ecological Information

Chemical Constituent

Toxicity:	Contains a substance which causes risk of hazardous effects to the environment	
Acute	48 hours EC50=6.14mg/L of the crustacea (Daphnia magna)	
Long-term	Does not rapidly degrade	
	Trout 24 hours 145mg/L	
	Trout 48 hours 116 mg/L	
	Bluegill 96 hours 4.5 mg/L	
	Bluegill 72 hours 5.4 mg/L	
	Bluegill 48 hours 6 mg/L	
Persistence and degradability:	No information is available.	
Bioaccumulative potential	No information is available.	
Mobility in soil:	No information is available.	
PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical assessment not required/not conducted	
Other adverse effects:	No information is available.	

Section 13: Disposal Considerations

Waste from residues/unused products: Do not dispose of to waste water treatment facilities. If discarded, this product is considered a RCRA hazardous waste. Follow the waste disposal requirements of your country, state, or local authorities.

Contaminated packaging: Contaminated packaging material should be disposed of as stated above for residues and unused product.

Rinsate: Do not dispose of rinse water containing product in a sanitary sewer system or stormwater drainage system.

Section 14: Transport Information

ROAD TRANSPORT: DOT

UN NUMBER:	UN1993
DOT PROPER SHIPPING NAME:	Flammable liquid n.o.s. (Naphtha (petroleum))
DOT / ADR HAZARD CLASS:	3
DOT / ADR PACKAGING GROUP:	III
DOT / ADR LABELS:	3
PLACARD:	FLAMMABLE



SEA TRANSPORT: IMDG

UN NUMBER SEA
PROPER SHIPPING NAME
CLASS:
PACKING GROUP:
SEA TRANSPORT NOTES:

UN1993
Flammable liquid n.o.s. (Naphtha (petroleum))
3
III
This material is a marine pollutant when shipped in quantities greater than 119 gallons. This material is not regulated for US DOT transportation in quantities less than 119 gallons.

AIR TRANSPORT: IATA/ICAO

UN NUMBER:
PROPER SHIPPING NAME
HAZARD CLASS:
PACKAGING GROUP:
PACKAGING EXEMPTIONS:

UN1993
Flammable liquid n.o.s. (Naphtha (petroleum))
3
III

Section 15: Regulatory Information

TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA. All components are either listed on the TSCA inventory or are considered exempt.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all SDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: 1,2,4-Trimethylebenzene and Naphthalene
Section 311 hazardous chemical: Yes

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.

The California proposition 65 chemical(s) contained in this product are: Cumene and Naphthalene

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	Not listed
Massachusetts' s hazardous substance(s):	Not listed
Pennsylvania hazardous substance code(s):	1,2,4-Trimethylbenzene, Naphthalene
New Jersey	1,2,4-Trimethylbenzene, Naphthalene
Illinois	Not listed
Michigan	Not listed
Minnesota	Not listed

CANADA:

WHMIS-2015: This SDS is in compliance with WHMIS 2015 (HPR / new HPA).

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures.

Section 16: Other Information

Initial issue date: August 7, 2015
Final revision date: August 14, 2015
Revision Number: 0
Revision explanation: Initial version
Information Sources: RTECS, ECHA, REACH, OSHA 29CFR 1910.1200



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