Material Safety Data Sheet

XP LAB, INC.
946 W. Hawthorn St.
San Diego, CA 92101

XP3

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Section 1: PRODUCT IDTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: XP3 FUEL ADDITIVE

SECTION 2: HAZARDOUS INFORMATION

Controlled	% by weight	Case #	TLV
N/A			

SECTION 3: HEALTH INFORMATION AND PROTECTIONS

POTENTIAL HEALTH EFFECTS

EYE:

May cause moderate eye irritation which may be slow to heal. Vapors may irritate eyes. May cause moderate corneal injury.

SKIN:

Low order of toxicity. Prolong or repeated exposure may cause skin irritation. A single prolong exposure may result in the material being absorbed in harmful amounts. Excessive exposure may cause hemolysis. Repeated minor exposure may result in absorption of harmful amounts.

INGESTION:

Minimal toxicity. Single dose oral toxicity is considered to be moderate. Small amounts swallowed incidental are not likely to cause injury. Swallowing large amounts may cause injury.

INHALATION:

A single prolonged excessive inhalation exposure may cause adverse effect. Excessive exposure may cause irritation in the upper respiratory tract.

TERATOLOGY (BIRTH DEFECTS):

Birth defects are unlikely. Exposures having no effect in the mother should have no effect on the fetus. Did not cause birth defects in animals.

SECTION 4: FIRST AID

EYE CONTACT:

Irrigate with flowing water immediately and continuously for 15 minutes. If irritations persist, get medical attention.

SKIN CONTACT:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated cloths and shoes. Call physician if irritation continues.

INGESTION:

If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Consult medical personnel.

INHALATION:

Remove the affected victim from exposure. Remove to fresh air if effects occur. Consult physician.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point:	150 degrees F,	65.5 degrees C
Method Used:	TCC	
Autoiganition Temperature:	471 degrees F.	244 degrees C

FLAMMABLE LIMITES:

LFL: 1.1% Vol
UFL: 10.6% Vol

HAZARDOUS COMBUSTION PRODUCTS:

During a *fire,* smoke may contain the original material in addition to toxic and/ irritating compounds.

Violent steam generation or eruption may occur on application of direct water stream to hot liquids. Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flashback may occur. Spills of these organic liquids on hot fibrous insulation may lead to lowering the auto ignition temperatures possibly resulting in spontaneous combustion.

EXTINGUISHING MEDIA:

Water fog or fine spray, Carbon Dioxide, Dry chemical, Foam, Alcohol resistant foam (ATC type) are protein foams may function, but much less effectively.
DO NOT use direct water stream.

SECTION 6: SPILL CONTROL PROCEDURES

Eliminate all sources of ignition in vicinity of spill or release vapor to avoid fire or explosion. For large spill, warn public of downwind explosion hazard. Check area with explosion meter before reentering area. Ground and bond all containers and handing equipment. Do not use combustible materials such as sawdust. Recover by pumping (use an explosion proof or hand pump) or with an expert absorbent.

SECTION 7: HANDLING AND STORAGE

HANDLING:

Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. No smoking. Open flames or sources of ignition in handling and storage area. Never use air pressure for transferring. Electrically ground all equipment.

STORAGE:

Keep containers tightly closed when not in use. Store in Carbon steel, stainless steel or Teflon containers.

SECTION 8: PERSONAL PROTECTION

EYE AND FACE PROTECTION

Use chemical goggles. If vapors exposure causes eye discomfort, use a full-face respirator.

SKIN PROTECTION:

Use protective clothing impervious to this material

RESPIRATORY PROTECTION:

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, use an approved air-purifying or positive pressure supplied-air respirator depending on the potential airborne concentration.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:	.897 @ 25/25 degrees C
SOLUBILITY IN WATER:	Infinitely @ 25 degrees C
VAPOR PRESSURE:	0.88 mmHG @ 25 degrees C
VAPOR DENSITY:	(Air =1)4.10
FLASH POINT:	150 degrees F, 65.5 degrees C Method: TCC
BOILING POINT:	340F, 171C
VISCOSITY at 20 C (68 F):	6.40 mPa.s or Cp

VOLATILE ORGANIC COPOUND (VOC) CONTENT: 897 g/L or 7.49 lbs/gal as per Rule 443.1 of California SCAQMID

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under recommended storage conditions
CONDITION TO AVOID:	Avoid static discharge.

HAZARDOUS DECOMTOSITION PRODUCTS: Does not normally decompose.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICA INFORMATION

ECOTOXISTY

Material is practically non-toxic to aquatic organisms on an acute basis (LOC50 greater than 100mg/L in most sensitive species.

SECTION 12: ECOLOGICAL INFORMATION

EVIRONMENTAL FATE:

Biconcentration potential is low (BCF less than 100 or Log Pow less than 3).

BIODEGRADATION & PERSISTENCE

Biodegradation under aerobic static laboratory conditions in high (BOD2O or BOD28/ThOD greater than 40%).

SECTION 13: DISPOSAL CONSIDERATION

May be disposed of in a secured sanitary landfill.

SECTION 14: TRANSPORT REGULATION

DEPARTMENT OF TRASPORTATION: **NOT REGULATED**

PROPER SHIPPING NAME: Combustible Liquid, n.o.s. (Middle distillate solvent)

HAZARD CLASS: Combustible Liquid

SECTION 15: REGULATORY INFORMATION

Reportable Quantity: N/A

NFPA RATING:		
	HEALTH	2
	FLAMMABILITY	2
	REACTIVITY	0

TOXIC SUBSTANCE CONTROL ACT (TSCA)

SECTION 16: OTHER INFORMATION

EVIRONMENTAL FATE:

SARA HAZARDOUS CATEGORY:

This product has been reviewed according to the EPA "Hazard Categories" Promulgated under Section 311 and 312 of the Superfund Amedment and Definition to meet the following categories:

- An immediate health hazard
- A delayed health hazard
- A fire hazard

OSHA HAZARD COMMUNICATION STANDARD:

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

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory. NOTICE: The information presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty express or implied is given. Regulatory requirements are subject to changed and may differ from one location to another; it is the buyer's responsibility to insure that their activities comply with federal, state or provincial, and local law.