

SAFETY DATA SHEET

State Industrial Products

5915 Landerbrook Drive
Mayfield Heights, OH 44124
To Order Call: 1-866-747-2229

Royal Industrial Park, Bldg "M"
Local #5, Carr 869, km 1.5 Palmas
Cataño, P.R. 00962
To Order Call: 787-275-3185



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: F-190-X LIQUID WEED KILLER
Product Description: A non-selective weed killer.
EPA Registration Number: 10088-2-70799

24 Hour Emergency CHEMTREC Number: 800-424-9300
MSDS Number: 117118
EPA Establishment Number: 10088-WI-1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

FIFRA Hazard Classification:

Combustible liquid. May cause eye, skin and respiratory irritation.

Flammable Liquids: Category 4

Serious eye damage/eye irritation: Category 2A

Aspiration Hazard: Category 1

Organ Toxicity: Category 2

Skin corrosion/irritation: Category 2



Exclamation mark Human Health

DANGER

Hazard Statements:

H227 Combustible liquid. H319_3 Causes serious eye irritation. H304_3 May be fatal if swallowed and enters airways. H373 May cause damage to organs. H315_3 Causes skin irritation.

Precautionary Statements:

P260 Do not breathe in vapors. P210 Keep away from heat, sparks and open flames. No smoking. P264 Wash hands thoroughly after handling. P280 Wear protective gloves, protective clothing, and eye protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Isoparaffinic hydrocarbon	64742-47-8	60-100%	200 ppm	NE
Alkanes, C14-16	90622-46-1	10-30%	NE	NE
Diethylene Glycol Monobutyl Ether	112-34-5	10-30%	20 ppm	20 ppm
Isooctyl (Ester of 2,4-Dichlorophenoxyacetic Acid)	1928-43-4	0.5-1.5%	10 mg/m3	10 mg/m3
Diethylene Glycol Monobutyl Ether	111-76-2	0.1-1.0%	20 ppm	50 ppm

The exact percentages have been withheld as a trade secret.

4. FIRST AID MEASURES

P314 Get medical attention if you feel unwell. P337+P313 If eye irritation persists: Get medical advice. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P301_3+P310_3+P331_3 IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. P370+P378 In case of fire: Refer to SDS for extinguish type. P362+P364 Take off contaminated clothing and wash before reuse.

5. FIRE FIGHTING MEASURES

Flashpoint(Method): >200°F [93°C]

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA

Flammable Properties: Combustible. Keep away from heat, sparks, open flames.

Extinguishing Media: Carbon Dioxide, dry chemical, foam.

Fire Fighting Instructions: Wear a self-contained breathing apparatus with full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Halt spill at source, dike and contain spill. Flush with plenty of water to drain. Dispose of in accordance with Federal, State and Local Regulations regarding waste disposal.

7. HANDLING AND STORAGE

P403+P235 Store in a well-ventilated place. Keep cool. P402 Store in dry place. P405 Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.

Personal Protective Equipment:

Respiratory: Normal room ventilation is adequate. Use a NIOSH/MHSA approved respirator if exposure limits are exceeded.

Eye: Wear approved safety glasses or goggles with unperforated eyeshields where splashing may occur.

Skin: For repeated or prolonged contact, wear chemically impervious gloves such as Nitrile.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to brown liquid

Physical State: Liquid.

Solubility in Water: Insoluble

Boiling Point: NA

Freezing Point: NA

Melting Point: NA

Odor: Petroleum

pH: NA

Diluted pH: NA

Specific Gravity: 0.84

VOC Content: <3%

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not mix with any other chemicals.

Incompatibility: Oxidizing agents.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen.

11. TOXICOLOGICAL INFORMATION

This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Isoparaffinic hydrocarbon	64742-47-8	> 5000 mg/kg (oral rat)	>2500 ppm/4hr (rat)
Alkanes, C14-16	90622-46-1	> 2000 mg/kg (oral rat)	>5.8 mg/L 4h (inhalation rat)
Diethylene Glycol Monobutyl Ether	112-34-5	6.56 g/kg (oral rat)	2780 mg/l/96 hr (flathead minnow)
Isooctyl (Ester of 2,4-Dichlorophenoxy-aetic Acid)	1928-43-4	NE	NE
Diethylene Glycol Monobutyl Ether	111-76-2	1480 mg/kg (rat oral)	700 ppm/7 hr (mouse)

12. ECOLOGICAL INFORMATION

This product is toxic to fish.

13. DISPOSAL CONSIDERATIONS

P501 Dispose of container in accordance with all Federal, State and Local Regulations regarding waste disposal.

14. TRANSPORT INFORMATION

DOT Shipping Data: COMBUSTIBLE LIQUID. SHIPPED AS NON-HAZARDOUS ACCORDING TO 49CFR173.150(f)(2); In tankers or other bulk containers larger than 119 gallons: UN1268, Petroleum Distillates, N.O.S. Combustible Liquid, III

Canadian TDG: Not Available for sale in Canada.

For International Shipments by Air: NA

For International Shipments by Vessel: NA

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.

Proposition 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or reproductive harm, at reportable levels under the statute.

SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): 2,4-D Isooctyl Ester CAS# 1928-43-4: 0.5-1.5%; 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether CAS# 112-34-5: 10-30%

VOC: <3%

HMIS RATING: HEALTH = 2 FLAMMABILITY = 2 REACTIVITY = 0 PPE = B

WHMIS RATING: Not Available for sale in Canada.

16. OTHER INFORMATION

NA = Not Available or Not Applicable

NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.