



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Scorch EXT  
**EPA Reg. No.:** 71368-130  
**Product Type:** Herbicide

**Company Name:** Nufarm Americas, Inc.  
 11901 S. Austin Avenue  
 Alsip, IL 60803  
 1-800-345-3330

**Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,  
 Call CHEMTREC Day or Night: 1-800-424-9300  
 For Medical Emergencies Only, Call 1-877-325-1840**

## 2. HAZARDS IDENTIFICATION

### HEALTH HAZARDS:

Acute Oral Toxicity	Category 4
Aspiration Toxicant	Category 1
Eye Damage	Category 2B
Skin Irritation	Category 2

### ENVIRONMENTAL HAZARDS:

Hazardous to aquatic environment, acute	Category 1
Hazardous to aquatic environment, chronic	Category 1

### SIGNAL WORD:

WARNING

### HAZARD STATEMENTS:

Harmful if swallowed. May be fatal if swallowed and enters airway. Causes eye damage. Causes skin irritation. Very toxic to aquatic life with long lasting effects.



### PRECAUTIONARY STATEMENTS

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Avoid breathing mist, vapors, or spray. Wear protective gloves, and eye and face protection. Contaminated working clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Avoid release to the environment.

IF SWALLOWED: immediately call a poison control center or doctor. DO NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

IF SKIN IRRITATION OR RASH OCCURS: Get medical advice. Take off contaminated clothing and wash before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate call a poison center. Collect spillage.

Dispose of contents in accordance with local, state, and federal regulations.

Store locked up.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	% BY WEIGHT
2-ethylhexyl ester of Dichlorprop-p	865363-39-9	39.86 – 42.32
2-ethylhexyl ester of 2,4-Dichlorophenoxyacetic Acid	1928-43-4	20.26 – 21.52
Dicamba (3,6-Dichloro-o-Anisic) Acid	1918-00-9	13.15 – 14.53
Solvent Naphtha (Petroleum), Heavy Aromatic	64742-94-5	2.5 – 3.5
1-Methylnaphthalene	90-12-0	<0.75
2-Methylnaphthalene	91-57-6	<1.2
Other Ingredients	Trade Secret	15.5 – 22.5

**Synonyms:** Mixture of 2,4-D Ethylhexyl Ester, Dichlorprop-p ester, and Dicamba acid

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

**If in Eyes:** Hold eye open and immediately rinse slowly and gently with water for 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get immediate medical attention.

**If Inhaled:** Move person to fresh air. Call a poison control center or doctor for further treatment advice.

**If Swallowed:** Call a poison control center or doctor for treatment advice. Do not induce vomiting.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin with plenty of water. Call a poison control center or doctor for treatment advice.

**Most important symptoms/effects, acute and delayed:** Causes severe eye irritation with possible eye damage. Causes skin irritation. May cause allergic skin reaction. CONTAINS PETROLEUM DISTILLATES – aspiration hazard. Do not induce vomiting.

**Indication of immediate medical attention and special treatment if needed, if necessary:** Immediate medical attention is required for eye contact. Immediate medical attention is required for ingestion.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use extinguishing media suitable for surrounding materials. Dry chemical, carbon dioxide, foam, water spray or fog.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

**Unusual Fire and Explosion Hazards:** If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later.

**Hazardous Decomposition Materials (Under Fire Conditions):** May produce gases such as oxides of carbon and nitrogen.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Avoid creation of dusty conditions. Scrape up and place in appropriate closed container. Wash entire spill area with a detergent slurry, absorb and sweep into container for disposal. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

**Other Information:** Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

### 7. HANDLING AND STORAGE

**HANDLING:** Do not get in eyes or on clothing or skin. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**STORAGE:** Do not contaminate water, food, or feed by storage or disposal.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

**Eye/Face Protection:** Not normally required. To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks and shoes. An emergency shower or water supply should be readily accessible to the work area.

**Respiratory Protection:** Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

**General Hygiene Considerations:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

**Exposure Guidelines:**

Component	OSHA		ACGIH		Unit
	TWA	STEL	TWA	STEL	
2-ethylhexyl ester of 2,4-D	10*	NE	10 inhalable skin*	NE	mg/m <sup>3</sup>
2-ethylhexyl ester of Dichlorprop-p	NE	NE	NE	NE	
Dicamba Acid	NE	NE	NE	NE	
Solvent Naphtha (Petroleum), Heavy Aromatic	400	NE	NE	NE	mg/m <sup>3</sup>
1-Methylnaphthalene	NE	NE	0.5	NE	ppm
2-Methylnaphthalene	NE	NE	0.5	NE	ppm
Other Ingredients	NE	NE	NE	NE	

\*Based on adopted limit for 2,4-D

NE = Not Established

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber, limpid liquid
<b>Odor:</b>	Mildly bitter
<b>Odor threshold:</b>	No data available
<b>pH:</b>	2.48 (1% dispersion @ 20° C)
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point:</b>	>230 °F; >110°C
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available

Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1.152 g/cm (@ 20° C)
Solubility(ies):	No data available
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	101 centipoise at 25°C 41.8 centipoise at 40°C

**Note:** Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive.

**Chemical Stability:** This material is stable under normal handling and storage conditions.

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

**Conditions to Avoid:** Excessive heat. Do not store near heat or flame.

**Incompatible Materials:** Strong oxidizing agents: bases and acids.

**Hazardous Decomposition Products:** Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eye contact, Skin contact

**Symptoms of Exposure:**

**Eye Contact:** Causes moderate eye irritation.

**Skin Contact:** Causes minor skin irritation.

**Ingestion:** Harmful if swallowed. May be fatal if swallowed and enters airway.

**Inhalation:** Low inhalation toxicity based on toxicity studies.

**Delayed, immediate and chronic effects of exposure:** Causes serious eye irritation and possible eye damage. Causes skin irritation. May cause allergic skin reaction. Harmful if swallowed.

**Toxicological Data:**

Data from laboratory studies are summarized below:

**Oral:** Rat LD<sub>50</sub>: 550 mg/kg (female rats)

**Dermal:** Rat LD<sub>50</sub>: >5,000 mg/kg

**Inhalation:** Rat 4-hr LC<sub>50</sub>: >2.17 mg/L (No mortalities at the highest dose tested)

**Eye Irritation:** Rabbit: Moderately Irritating

**Skin Irritation:** Rats: Minimally Irritating

**Skin Sensitization:** Not a sensitizer.

**Subchronic (Target Organ) Effects:** None known.

**Carcinogenicity / Chronic Health Effects:** None known.

**Reproductive Toxicity:** None of the ingredients are classified as reproductive toxins.

**Developmental Toxicity:** None of the ingredients are classified as developmental toxins.

**Genotoxicity:** None of the ingredients are classified as causing genetic defects.

**Assessment Carcinogenicity:** None of the ingredients are classified as carcinogens by IARC, NTP, or OSHA.

<b>12. ECOLOGICAL INFORMATION</b>
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**Ecotoxicity:****Data on Dichlorprop:**

96-hour LC <sub>50</sub> Bluegill: ~100 mg/l	Bobwhite Quail Oral LD <sub>50</sub> : >250 and < 500 mg/kg
96-hour LC <sub>50</sub> Rainbow Trout: >214 mg/l	Bobwhite Quail 8-day Dietary LC <sub>50</sub> : >4,704 mg/kg
48-hour LC <sub>50</sub> Daphnia: >529 mg/l	Mallard Duck 8-day Dietary LC <sub>50</sub> : >4,704 mg/kg
Bee LD <sub>50</sub> : >200 µg/bee	

**Data on 2,4-D 2EHE:**

96-hour LC <sub>50</sub> Bluegill: >5 mg/l	Bobwhite Quail Oral LD <sub>50</sub> : >5,620 mg/kg
96-hour LC <sub>50</sub> Rainbow Trout: 7.2 mg/l	Mallard Duck 8-day Dietary LC <sub>50</sub> : >5,620 ppm
48-hour EC <sub>50</sub> Daphnia: >5 mg/l	72-hour IC <sub>50</sub> Algae: 0.23 mg/L

**Data on Dicamba:**

96-hour LC <sub>50</sub> Bluegill: 135 mg/l	Bobwhite Quail 8-day Dietary LC <sub>50</sub> : >10,000 ppm
96-hour LC <sub>50</sub> Rainbow Trout: 135 mg/l	Mallard Duck 8-day Dietary LC <sub>50</sub> : >10,000 ppm
48-hour EC <sub>50</sub> Daphnia: 110 mg/l	48-hour Honey Bee Contact LD <sub>50</sub> : >100 µg/bee

**Environmental Fate:**

In laboratory and field studies, 2,4-D 2-ethylhexyl ester rapidly de-esterified to parent acid in the environment. The typical half-life of the resultant 2,4-D acid ranged from a few days to a few weeks. Dicamba poorly binds to soil particles, is potentially mobile in the soil and highly soluble in water. Aerobic soil metabolism is the main degradative process for dicamba with a typical half-life of 2 weeks. Degradation is slower when low soil moisture limits microbe populations. In water, microbial degradation is the main route of dicamba dissipation. Aquatic hydrolysis, volatilization, adsorption to sediments, and bioconcentration are not expected to be significant. Dichlorprop-p 2-ethylhexyl ester is readily absorbed onto soil. Dichlorprop-p 2-ethylhexyl ester is biodegradable.

<b>13. DISPOSAL CONSIDERATIONS</b>
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**Waste Disposal Method:**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide is a violation of Federal law.

**Container Handling and Disposal:** Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

**Nonrefillable Containers Larger than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling or reconditioning not available, puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container

upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert

pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Refillable Containers Larger than 5 Gallons:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

#### 14. TRANSPORTATION INFORMATION

##### DOT

##### **<55 Gallons per finished container**

Non Regulated

##### **>55 but < 119 Gallons per finished container**

UN 3082, Environmentally hazardous substance, liquid, n.o.s., (2,4-D ester), 9, III, RQ

##### **>250 Gallons per finished container**

UN 3082, Environmentally hazardous substance, liquid, n.o.s., (2,4-D ester, Dicamba), 9, III, RQ

##### IMDG

UN 3082, Environmentally hazardous substance, liquid, n.o.s., (2,4-D ester), 9, III, Marine Pollutant

##### IATA

UN 3082, Environmentally hazardous substance, liquid, n.o.s., (2,4-D ester), 9, III, Marine Pollutant

#### 15. REGULATORY INFORMATION

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SARA Hazard Notification/Reporting:

##### **Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):**

Acute Health

##### **Section 313 Toxic Chemical(s):**

2,4-D 2-ethylhexyl ester (CAS No. 1928-43-4) 21 – 23% by weight in product

Dicamba (CAS No. 1918-00-9), 13 – 15% equivalent by weight in product

##### **Reportable Quantity (RQ) under U.S. CERCLA:**

2,4-D 2-ethylhexyl ester (CAS No. 1928-43-4) 100 pounds

Dicamba (CAS No. 1918-00-9) 1,000 pounds

##### **RCRA Waste Code:**

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

##### **State Information:**

Other state regulations may apply. Check individual state requirements.

**California Proposition 65:** Not Listed.

#### 16. OTHER INFORMATION

##### **National Fire Protection Association (NFPA) Hazard Rating:**

**Rating for this product: Health: 2    Flammability: 1    Reactivity: 0**

Hazards Scale: 0 = Minimal    1 = Slight    2 = Moderate    3 = Serious    4 = Severe

July 30th, 2021

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