



# Safety Data Sheet

Issue Date: 06-May-2020

Revision Date: 06-May-2020

Version 1

## 1. IDENTIFICATION

### Product identifier

Product Name

**First Act**

### Other means of identification

SDS #

ADAMA-309

Registration Number(s)

EPA Reg. No. 66222-288

UN/ID No

UN3082

### Recommended use of the chemical and restrictions on use

Recommended Use

EPA registered pesticide.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Makhteshim Agan of North America, Inc. (d/b/a ADAMA)

3120 Highwoods Blvd., Suite 100

Raleigh, NC 27604

1-919-256-9300

#### Emergency telephone number

Emergency Telephone

For fire, spill and/or leak contact INFOTRAC: |par 1-800-535-5053 (North America) 1-352-323-3500 (International) |par For medical emergencies and health/safety inquiries, contact ProPharma Group: |par 1-877-250-9291

## 2. HAZARDS IDENTIFICATION

**Emergency Overview** This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information.

**Appearance** Amber liquid

**Physical state** Liquid

**Odor** Aromatic

### Classification

Aspiration toxicity

Category 1

### Signal Word

**Danger**

### Hazard statements

May be fatal if swallowed and enters airways



**Precautionary Statements - Response**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Quizalofop-p-ethyl	100646-51-3	8-12
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	Proprietary	75-90
Ethoxylated polyarylphenol	99734-09-5	3-6
Benzenesulfonic acid, C10-13-alkyl deriv., calcium salt	90194-26-6	1-2
2-Ethylhexanol	104-76-7	1-2

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**Description of first aid measures****General Advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

**Inhalation**

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Ingestion**

Do NOT induce vomiting. Rinse mouth. Immediate medical attention is required.

**Self-Protection of the First Aider** Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed****Symptoms**

None known.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Protective equipment and precautions for firefighters**

In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**For Emergency Responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Take up mechanically, placing in appropriate containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Use personal protective equipment as required. Use only with adequate ventilation. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

**Engineering Controls** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tight sealing safety goggles. Refer to 29 CFR 1910.133 for eye and face protection regulations.

<b>Skin and Body Protection</b>	Suitable protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.
<b>Respiratory Protection</b>	Refer to 29 CFR 1910.134 for respiratory protection requirements.
<b>General Hygiene Considerations</b>	When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Aromatic
<b>Appearance</b>	Amber liquid	<b>Odor Threshold</b>	No data available
<b>Color</b>	Amber		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	5-9		
Melting point / freezing point	Not applicable		
Boiling point / boiling range	Not applicable		
Flash point	109°C / 228°F		
Evaporation Rate	Not applicable		
Flammability (Solid, Gas)	Not applicable for liquids		
Flammability Limit in Air			
Upper flammability or explosive limits	No data available		
Lower flammability or explosive limits	No data available		
Vapor Pressure	Not applicable		
Vapor Density	No data available		
Relative Density	Not determined		
Water Solubility	Not determined		
Solubility in other solvents	Not determined		
Partition Coefficient	See section 12 for more information		
Autoignition temperature	No data available		
Decomposition temperature	No data available		
Kinematic viscosity	5.0 mPa*s		
Dynamic Viscosity	Not determined		
Explosive Properties	Not an explosive		
Oxidizing Properties	Not oxidizing		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not available.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to Avoid

Heat, flames and sparks.

### Incompatible materials

None known based on information supplied.

### Hazardous decomposition products

None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Quizalofop-p-ethyl 100646-51-3	= 1182 mg/kg ( Rat )	-	-
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	> 6000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	> 8500 mg/m <sup>3</sup> ( Rat ) 4 h
2-Ethylhexanol 104-76-7	= 3730 mg/kg ( Rat )	= 1980 mg/kg ( Rabbit )	> 227 ppm ( Rat ) 6 h

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	Not toxic for the reproductive system.
<b>STOT - single exposure</b>	No data available.
<b>STOT - repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

### Numerical measures of toxicity

**Acute Oral LD50 (Rat):** >2,000 mg/kg

**Acute Dermal LD50 (Rabbit):** >2,000 mg/kg

**Acute Inhalation LC50 (Rat):** >0.78 mg/L (Maximum attainable concentration)

**Eye Irritation:** Non-irritating.

**Dermal Irritation:** Non-irritating.

**Dermal Sensitization:** Not a skin sensitizer

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Hydrocarbons, C10-C13, aromatics, <1% naphthalene		2200: 96 h Pimephales promelas mg/L LC50	2.6: 96 h Chaetogammarus marinus mg/L LC50

2-Ethylhexanol 104-76-7	11.5: 72 h Desmodesmus subspicatus mg/L EC50	29.7: 96 h Pimephales promelas mg/L LC50 static 10.0 - 33.0: 96 h Lepomis macrochirus mg/L LC50 static 32 - 37: 96 h Oncorhynchus mykiss mg/L LC50 static 7.5: 96 h Oncorhynchus mykiss mg/L LC50 27 - 29.5: 96 h Pimephales promelas mg/L LC50 flow-through	39: 48 h Daphnia magna mg/L EC50
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**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

Chemical name	Partition coefficient
2-Ethylhexanol 104-76-7	3.1

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

**California Hazardous Waste Status**

Chemical name	California Hazardous Waste Status
Quizalofop-p-ethyl 100646-51-3	Toxic

### 14. TRANSPORT INFORMATION

**DOT****UN/ID No**

Pack size less than 119 gallons (450 L): Not Regulated.

Pack size greater than 199 gallons (450 L):

UN3082

**Proper Shipping Name**

Environmentally hazardous substance, liquid, n.o.s. (Quizalofop-p-ethyl, Hydrocarbons, C10-C13, aromatics, &gt;1% naphthalene)

**Hazard class**

9

**Packing Group**

III

**Marine Pollutant**

Yes.

**IATA****UN number**

UN3082

**Proper Shipping Name**

Environmentally hazardous substance, liquid, n.o.s. (Quizalofop-p-ethyl, Hydrocarbons, C10-C13, aromatics, &gt;1% naphthalene)

**Transport hazard class(es)**

9

**Packing Group**

III

**Description**

Marine Pollutant

**IMDG**

<b>UN number</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s. (Quizalofop-p-ethyl, Hydrocarbons, C10-C13, aromatics, >1% naphthalene)
<b>Transport hazard class(es)</b>	9
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	Yes

**15. REGULATORY INFORMATION****International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Quizalofop-p-ethyl	X	ACTIVE					X		
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	X	ACTIVE	X	X		X	X	X	X
Ethoxylated polyarylphenol	X	ACTIVE	X			X	X		X
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt	X	ACTIVE	X	X	X	X		X	X
2-Ethylhexanol	X	ACTIVE	X	X	X	X	X	X	X

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances***US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
2-Ethylhexanol 104-76-7		X	X

**EPA Pesticide Registration Number** XXXXX-XX**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label**

TBD

**Difference between SDS and EPA pesticide label**

TBD

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:**

06-May-2020

**Revision Date:**

06-May-2020

**Revision Note:**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**