

SECTION 1: Identification

1.1. Identification

Product form : Mixtures
 Trade name : Zoecon Gentrol IGR Concentrate
 Synonyms : 37860A, 37880A, EPA Reg. No.: 2724-351, Zoecon RF-259 Emulsifiable Concentrate

1.2. Recommended use and restrictions on use

Recommended use : Insect growth regulator.
 Restrictions on use : Avoid contact with eyes, skin or clothing, Keep out of reach of children, Avoid inhalation of vapors or fumes, Do NOT take internally.

1.3. Supplier

Wellmark International
 1501 E. Woodfield Road, Suite 200W
 Schaumburg, IL 60173 - United States
 www.zoecon.com

1.4. Emergency telephone number

Emergency number : 1-888-248-7763
 1-800-424-9300 - CHEMTREC
 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation Category 2	Causes skin irritation
Specific target organ toxicity (single exposure) Category 3	May cause drowsiness or dizziness
Aspiration hazard Category 1	May be fatal if swallowed and enters airways

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

May be fatal if swallowed and enters airways
 Causes skin irritation
 May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash hands, forearms and face thoroughly after handling
 Use only outdoors or in a well-ventilated area
 Wear protective gloves/protective clothing/eye protection/face protection
 If swallowed: Immediately call a poison center or doctor
 If on skin: Wash with plenty of water
 If inhaled: Remove person to fresh air and keep comfortable for breathing
 Call a poison center or doctor if you feel unwell
 Do NOT induce vomiting
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse
 Store in a well-ventilated place. Keep container tightly closed
 Store locked up
 Dispose of contents/container to in accordance with local/regional/national/international regulations

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2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
(S)-Hydroprene	(CAS No) 65733-18-8	9
Synthetic isoparaffinic hydrocarbons	(CAS No) 64742-47-8	59.12
alkyl (C10-16 benzenesulfonic acid, calcium salt	(CAS No) 68584-23-6	5.6 - 6.5
Other ingredients	(CAS No) N/A	Balance

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.

First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Call a physician immediately. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries : May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Irritation.

Symptoms/injuries after ingestion : Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Avoid release to the environment.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal. Use appropriate PPE.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Do not use this product in or on electrical portions of equipment due to the possibility of shock hazard.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Keep from freezing.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Straw-colored liquid.

Color : Straw-colored

Odor : Weak, neutral, paint-like

Odor threshold : No data available

pH : 7.29

Melting point : Not applicable

Freezing point : No data available

Boiling point : No data available

Flash point : 200 °F

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Not applicable.

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Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.87 g/cc (7.3 lb/gal)
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: < 50 cP
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Excessive heat 110° F. Keep away from fire.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Zoecon Gentrol IGR Concentrate	
LD50 oral rat	> 5100 mg/kg
LD50 dermal rabbit	> 2100 mg/kg
LC50 inhalation rat (mg/l)	> 7.2 mg/l/4h
pH	7.29

GHS-US Properties	Classification
Acute toxicity	Not classified
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cells mutagen	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicant (single exposure)	May cause drowsiness or dizziness.
Specific target organ toxicant (repeated exposure)	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.

Potential health effects

Skin

Acute : Causes skin irritation.

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Eye	
Acute	: May cause mild irritation.
Mutagenicity	: (s)-Hydroprene is not a mutagen.
Carcinogenicity	: (s)-Hydroprene did not cause cancer in laboratory animal studies.
Reproductive Effects	: (s)-Hydroprene did not produce developmental or reproductive effects in laboratory animal studies.

SECTION 12: Ecological information

12.1. Toxicity

(S)-Hydroprene (65733-18-8)

NOEC (acute)	> 0.43 mg/l (Exposure time: 96h - Rainbow trout)
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
IMDG	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
IATA	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Distillates (petroleum), hydrotreated light (64742-47-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

alkyl (C10-16 benzenesulfonic acid, calcium salt (68584-23-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

FIFRA Labelling

EPA Registration Number	2724-351
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This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Signal Word	Caution
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FIFRA Hazard Statement	KEEP OUT OF REACH OF CHILDREN.
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FIFRA Hazards to Humans and Domestic Animals	HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.
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FIFRA First Aid	Call a poison control center or doctor immediately for treatment advice. If swallowed • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. If in eyes • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes. Then continue rinsing eye. If on skin or clothing • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. If inhaled • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia.
FIFRA Physical Hazard	Do not use this product in or on electrical portions of equipment due to the possibility of shock hazard

15.2. US State regulations

No additional information available

SECTION 16: Other information

Date of issue : 24 April 2017
Revision date : 24 April 2017
Supersedes : 10 June 2015

SDS US (GHS HazCom 2012) - CGP

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