

1. Product and Company Identification

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Product Code RXSOL-60-6002-500
Product Name Calver II indicator

Company Details:

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2. Composition / Information on ingredients

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Mixture

Name	Product identifier	% (w/w)	Classification (GHS-U)
Sodium chloride	(CAS No.) 7647-14-5	> 99	Eye Irrit. 2A, H319
Hydroxynaphthol blue disodium salt	(CAS No.) 165660-27-5	< 1	Not classified

Full text of H-phrases: see section 16

3. Hazards Identification

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Classification Of The Substance Or Mixture

Classification (GHS-US)

Eye Irrit. 2A H319

Label Elements

GHS-US labeling

Hazard pictograms (GHS-US) : GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H319 - Causes serious eye irritation

Precautionary statements (GHS-US) :

P264 - Wash hands and forearms thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

Other Hazards Not available

Unknown acute toxicity (GHS US) Not available

4. First Aid Measures

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Description Of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms And Effects Both Acute and Delayed

General: Eye irritation

Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Skin Contact: Contact during a long period may cause light irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May be harmful if ingested in large quantities.

Chronic symptoms: Not available

Indication Of Any Immediate Medical Attention And Special Treatment Needed

If exposed or concerned, get medical advice and attention.

5. Fire-fighting Measures

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Extinguishing Media

Suitable extinguishing media: Not flammable. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None known.

Special Hazards Arising From The Substance Or Mixture

Fire hazard: Not flammable.

Explosion hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice For Firefighters

Precautionary measures fire: Exercise caution when fighting any chemical fire.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Hydrogen chloride gas. Sodium oxides.

Reference To Other Sections

Refer to section 9 for flammability properties.

6. Accidental Release Measures

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Personal Precautions, Protective Equipment And Emergency Procedures

General measures: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, clothing.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency procedures: Ventilate area.

Environmental Precautions Not applicable

Methods And Material For Containment And Cleaning Up

For containment: Contain and collect as any solid

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference To Other Sections

See section 8, Exposure Controls and Personal Protection.

7. Handling and Storage

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Precautions For Safe Handling

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work

Conditions For Safe Storage, Including Any Incompatibilities

Storage conditions: Store in a dry, cool and well-ventilated place. Protect from moisture. Keep container closed when not in use.

Incompatible materials: Strong acids. Strong bases. Strong oxidizers.

Specific End Use(s)

Laboratory Reagent

8. Exposure controls and personal protection

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Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls

Appropriate engineering controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment: Protective goggles. Gloves. Dust formation: dust mask.

Hand protection: Wear chemically resistant protective gloves.

Eye protection: In laboratory, medical or industrial settings, or operations in which airborne particulates will be generated, safety glasses with side shields are recommended.

Skin and body protection: In laboratory, medical or industrial settings, impervious disposable gloves and protective clothing are recommended if skin contact with drug product is possible.

Respiratory protection: In the event of airborne dust formation, wear a dust mask.

Other information: When using, do not eat, drink or smoke.

9. Physical and chemical properties

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Information On Basic Physical And Chemical Properties

Physical state	Solid
Appearance	Purple crystalline powder
Odor	Odorless
Odor threshold	Not available
pH	Not available
Relative evaporation rate (butyl acetate=1)	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Flammability (solid, gas)	Not available
Lower flammable limit	Not available
Upper flammable limit	Not available
Vapor pressure	Not available
Relative vapor density at 20 °C	Not available
Relative density	Not available
Specific gravity density	Not available
Solubility	Not available
Log Pow	Not available
Log Kow	Not available
Viscosity, kinematic	Not available
Viscosity, dynamic	Not available
Explosion data - sensitivity to mechanical impact	Not available
Explosion data - sensitivity to static discharge	Not available

10. Stability and reactivity

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Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable in closed containers and pressure.

Possibility Of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions To Avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible: Materials: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: Carbon dioxide (CO₂), CO.

11. Toxicological information

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Information On Toxicological Effects - Product

Acute toxicity : Not classified

LD50 and LC50 Data: Not available

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific target organ toxicity (repeated exposure): Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of use.

Symptoms/injuries after skin contact: Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: May be harmful if ingested in large quantities.

Information On Toxicological Effects - Ingredient(s)

LD50 and LC50 Data

Sodium chloride (7647-14-5)	
LD50 oral rat	3 g/kg
LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 42 g/m ³ (Exposure time: 1 h)

12. Ecological information

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Toxicity

Sodium chloride (7647-14-5)	
LC50 fish 1	5560 - 6080 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [f through])
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 2	340.7 - 469.2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

Persistence And Degradability

CALVER II® Indicator Powder	
Persistence and degradability	Not established

Bioaccumulative Potential

CALVER II® Indicator Powder	
Bioaccumulative potential	Not established

Sodium chloride (7647-14-5)	
BCF fish 1	(no bioaccumulation)

Mobility In Soil Not available

Other Adverse Effects

Other information: Avoid release to the environment.

13. Disposal considerations

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Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

14. Transport information

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In accordance with ICAO/IATA/DOT/TDG

UN Number Not regulated for transport

UN Proper Shipping Name Not regulated for transport

Overland transport Not regulated for transport

Transport by sea Not regulated for transport

Air transport Not regulated for transport

15. Regulatory information

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US Federal regulations

Sodium chloride (7647-14-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

US State regulations

Sodium chloride (7647-14-5)	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	

Canadian regulations

CALVER II® Indicator Powder	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

16. Other information

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Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

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