

Direct Farm Supply LLC

Safety Data Sheet


ClO₂-C Activator

1. Product and Company Identification

Product Name	ClO ₂ -C Activator (no synonyms)
Product Use	Teat dip when diluted with ClO ₂ -C Base & water
Product Dilution Information	Dilution detailed on label
Company Identification	Direct Farm Supply LLC 921 Allison Rd Bellefontaine, OH 43311
Telephone	Direct Farm Supply LLC – 612.203.8554 CHEMTREC – 800.424.9300

NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.

2. Hazards Identification

Form	Liquid
Color	Clear / Blue
Odor	Slight
OSHA/HCS Status	Material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200); corrosive to eyes, irritant
GHS Classification	Skin corrosion/irritation (Category 2) Serious eye damage (Category 1)
Pictogram	
Signal Word	Danger
Hazard Statement(s)	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary Statement(s)	P264 Wash hands thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. P332 + P313 If skin irritation occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

See section 11 for more detailed information on health effects and symptoms

3. Composition/Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>WT %</u>
Lactic Acid	79-33-4	10-20
Glycerin	56-81-4	20-40
Dodecylbenzene Sulfonic Acid	27176-87-0	Unspecified
Alcohols, C10-16, Ethoxylated	68002-97-1	Unspecified

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4. First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and get medical attention.
Skin Contact	Wash off with soap and plenty of water. Consult a physician if skin irritation develops.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wear gloves while removing contaminated clothing. If it is suspected that dust, vapor, mist, or gas is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

5. Fire-fighting Measures

Flammability of the Product	Not flammable or combustible
Flash Point (Method)	None
Auto Ignition Temperature	None

Extinguishing Media

Suitable	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Not Suitable	No data available
Special Fire-fighting Procedures & Hazards	Wear chemical protective clothing and positive pressure self-contained breathing apparatus.
Unusual Fire & Explosion Hazards	None known.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Spill	Contain spillage, and then place in container for disposal according to local regulations.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Storage	Keep containers tightly closed in a dry and well-ventilated area. Store above 32°F (0°C).

8. Exposure Controls/Personal Protection

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Lactic Acid	Not available	Not available
Glycerin	10 mg/m ³ – TWA	5 mg/m ³ – TWA (respirable fraction)
Dodecylbenzene Sulfonic Acid	Not available	Not available
Alcohols, C10-16, Ethoxylated	Not available	Not available
Engineering Measures	Maintain adequate ventilation. Keep levels below exposure limits.	
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	

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Respiratory	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
Eyes and Face	Wear chemical safety goggles while handling this product.
Skin	Prevent contact with this product. Wear gloves and protective clothing depending on condition of use.

9. Physical and Chemical Properties

Appearance	Blue, clear liquid
Odor	Slight
pH	2.1
Water Solubility	Complete
Vapor Density (air = 1)	Not determined
Evaporation rate (butyl acetate = 1)	Not determined
Boiling Point (°F)	Not determined
Freezing Point (°F)	Not determined
Specific Gravity	1.082
Vapor Pressure (mm Hg, 20 °C)	Not determined
Volatile Organic (VOC) Content	None

10. Stability and Reactivity

Stable:	X	Unstable:		Hazardous Polymerization:		Occurs:		Does Not Occur:	X
Conditions to Avoid	Do not mix with chlorinated products, chlorine gas will be produced.								
Materials to Avoid	Bases.								
Decomposition Products	May include: carbon oxides, nitrogen oxides, sulfur oxides, oxides of phosphorus.								

11. Toxicological Information

Eye	Causes serious eye damage.
Lactic Acid	Eye irritation
Glycerin	Eyes - rabbit – mild eye irritation – 24 hr
Alcohols, C10-16, Ethoxylated	Eyes - no data available
Dodecylbenzene Sulfonic Acid	Eyes - no data available
Dermal	Causes skin irritation.
Lactic Acid	Dermal LD50 – rabbit – >2,000 mg/kg
	Skin corrosion/irritation: rabbit – causes severe burns – 24 hr
Glycerin	Dermal LD50 – rat – > 10,000 mg/kg
	Skin corrosion/irritation: rabbit – mild skin irritation – 24 hr
Alcohols, C10-16, Ethoxylated	Dermal LD50 – no data available
	Skin corrosion/irritation: no data available
Dodecylbenzene Sulfonic Acid	Dermal LD50 – no data available
	Skin corrosion/irritation: no data available
Inhalation	Not expected to cause respiratory irritation.
Lactic Acid	Inhalation LC50 – rat – >7.94 mg/l – 4 hr

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Glycerin	Inhalation LC50 – no data available
Alcohols, C10-16, Ethoxylated	Inhalation LC50 – no data available
Dodecylbenzene Sulfonic Acid	Inhalation LC50 – no data available
Oral	Not expected to be toxic.
Lactic Acid	Oral LD50 – rat – 3,543 mg/kg
Glycerin	Oral LD50 – rat – 12,600 mg/kg
Alcohols, C10-16, Ethoxylated	Oral LD50 – no data available
Dodecylbenzene Sulfonic Acid	Oral LD50 – rat – 650 mg/kg

Potential Chronic Health Effects

Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity	No data available
Teratogenicity	No data available
Fertility Effects	No data available

12. Ecological Information

Biodegradability	No data available
Ecotoxicity	Toxicity to fish: LC50 – Lepomis macrochirus – 130 mg/l - 96 h (Lactic Acid) Toxicity to aquatic invertebrates: EC50 – Daphnia magna (water flea) – 130 mg/l - 48 h (Lactic Acid) An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal Considerations

Waste Disposal	Dispose of in a permitted waste management facility following all local, state, and federal regulations.
RCRA	No component of this product is listed as a hazardous waste.

14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

<u>US DOT 49 CFR 172.101</u>	<u>Non-bulk Shipments (Drums/Totes)</u>	<u>Bulk Shipments (Tank Trucks/Rail Cars)</u>
Proper Shipping Name	Not DOT regulated	Same
Hazard Class	None	Same
Identification Number	None	Same
Packing Group	None	Same
Reportable Quantities	Not Applicable	Same
Placards/Labels	None	Same

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15. Regulatory Information

**CERCLA / SARA
Emergency Reporting** A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws.

Dodecylbenzene Sulfonic Acid CERCLA reporting amount – 1000 lbs.

SARA Title III Section 313 This product does not require reporting.

**Clean Water Act (CWA)
Section 311** The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA.

Dodecylbenzene Sulfonic Acid

**TSCA – Toxic Substances
Control Act** All components of this product are listed on the Toxic Substances Control Act Inventory or are excluded from listing requirements.

**RCRA – Resource
Conservation and Recovery
Act** The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal.

No components listed

State Regulations

Massachusetts **RTK Substances:** The following components are listed: no component listed

New Jersey **RTK Substances:** The following components are listed: Dodecylbenzene Sulfonic Acid (CAS #27176-87-0)

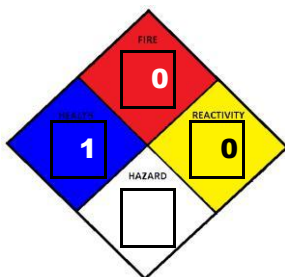
Pennsylvania **RTK Substances:** The following components are listed: Dodecylbenzene Sulfonic Acid (CAS #27176-87-0)

California **Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Date of Issue 1/1/2021

NFPA



HMIS

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

The customer is responsible for determining the PPE code for this material.

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Notice to Reader

The information contained herein is given in good faith, but no warranty, representation, inducement, or license of any kind is made, except that the information is accurate to the best of Direct Farm Supply LLC's knowledge, or is obtained from sources believed by Direct Farm Supply LLC to be reliable and accurate. Direct Farm Supply LLC does not assume any legal responsibility for use or reliance upon the information being furnished. Customers are encouraged to conduct their own tests. Before using any product, read the container label directions, as well as, the Safety Data Sheet.