



## SAFETY DATA SHEET

SDS REVISIONS: Section 14

DATE OF ISSUE: 05/07/2020

**COLT + SALVO**

SUPERSEDES: 02/23/2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

**Product Name** COLT + SALVO

#### Other means of identification

**Product Code** PST-0035

**UN/ID no** UN3082

**Synonyms** None

**Registration Number(s)** 34704-1010

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

**Recommended Use** Herbicide.

**Uses advised against** No information available

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

##### **Manufacturer Address**

LOVELAND PRODUCTS, INC.

P.O. Box 1286

Greeley, CO 80632-1286

#### Emergency telephone number

**Company Phone Number** 1-888-LPI-CUST (574-2878)

**Emergency Telephone** Chemtrec 1-800-424-9300

Medical Emergencies: 1-866-944-8565

US regulations require reporting spills of this material that could reach any surface waters.

The toll-free phone number for the US Coast Guard National Response Center is

1-800-424-8802

### 2. HAZARDS IDENTIFICATION

#### Classification

##### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                      |                     |
|--------------------------------------|---------------------|
| Acute toxicity - Oral                | Category 4 - (H302) |
| Acute toxicity - Inhalation (Vapors) | Category 3 - (H331) |
| Skin sensitization                   | Category 1 - (H317) |
| Carcinogenicity                      | Category 2 - (H351) |
| Aspiration toxicity                  | Category 1 - (H304) |
| Flammable liquids                    | Category 4 - (H227) |

#### Label elements



**Signal word**

**DANGER**

**Hazard statements**

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H317 - May cause an allergic skin reaction



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 H331 - Toxic if inhaled  
 H351 - Suspected of causing cancer  
 H227 - Combustible liquid

**Precautionary Statements - Prevention**

P201 - Obtain special instructions before use  
 P202 - Do not handle until all safety precautions have been read and understood  
 P281 - Use personal protective equipment as required  
 P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P270 - Do not eat, drink or smoke when using this product  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P271 - Use only outdoors or in a well-ventilated area  
 P272 - Contaminated work clothing should not be allowed out of the workplace  
 P280 - Wear protective gloves

**Precautionary Statements - Response**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P311 - Call a POISON CENTER or doctor/physician  
 P330 - Rinse mouth  
 P331 - Do NOT induce vomiting  
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
 P363 - Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

P405 - Store locked up  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)  
 Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture

| Chemical Name                   | CAS No     | Weight-% | GHS Classification   | Trade Secret |
|---------------------------------|------------|----------|--|--------------|
| 2,4-D 2-ETHYLHEXYL ESTER        | 1928-43-4  | 30 - 60  | Acute Tox. 4 (H302)<br>Skin Sens. 1 (H317)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) | *            |
| Aromatic 150                    | 64742-94-5 | 10 - 30  | Asp. Tox. 1 (H304)   | *            |
| Fluroxypyr 1-methylheptyl ester | 81406-37-3 | 7 - 13   | Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)   | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.  
 OSHA Hazard Communication 29 CFR 1910.1200



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### 4. FIRST AID MEASURES

#### Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | Get medical attention if symptoms occur.   |
| <b>Eye contact</b>                        | Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| <b>Skin contact</b>                       | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  |
| <b>Inhalation</b>                         | Remove to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.   |
| <b>Ingestion</b>                          | Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.               |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required.   |

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

#### Indication of any immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically. Symptoms may be delayed. Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call 1-866-944-8565 for emergency medical treatment information.

**Note to physicians** No specific antidote. Treat symptomatically.

**Antidotes** No data available

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use, Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray (fog), Alcohol resistant foam

#### Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes. May cause sensitization in susceptible persons. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

#### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



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### 6. ACCIDENTAL RELEASE MEASURES

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

##### **Personal precautions**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

#### Environmental precautions

##### **Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

#### Methods and material for containment and cleaning up

##### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

##### **Methods for cleaning up**

Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

##### **Advice on safe handling**

Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

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

##### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

##### **Incompatible materials**

None known based on information supplied.



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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

**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**

Showers  
Eyewash stations  
Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection**

Tight sealing safety goggles.

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

Dependent on job function. If vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved air-purifying respirator with any cartridges/filters approved for pesticides. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection Standard. Wear a supplied air respirator if exposure concentrations are unknown.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

|                |                   |
|----------------|-------------------|
| Physical state | Liquid            |
| Appearance     | Clear liquid      |
| Color          | Yellow-orange     |
| Odor           | Aromatic          |
| Odor threshold | No data available |

| <u>Property</u>                | <u>Values (Remarks - Method)</u> |                          |
|--------------------------------|----------------------------------|--------------------------|
| pH                             | 3.9 (1% solution)                |                          |
| Melting point / freezing point | No data available                | No data available        |
| Boiling point                  | No data available                | No data available        |
| Flash point                    | 73 °C / 163 °F (Tag Closed Cup)  |                          |
| Evaporation rate               | No data available                |                          |
| Flammability (solid, gas)      | No data available                | No information available |
| Flammability Limit in Air      |                                  |                          |
| Upper flammability limit:      | No data available                |                          |
| Lower flammability limit:      | No data available                |                          |
| Vapor pressure                 | No data available                | No data available        |
| Vapor density                  | No data available                |                          |
| Specific Gravity               | 1.06 g/ml                        |                          |
| Water solubility               | No data available                |                          |
| Solubility in other solvents   | No data available                |                          |
| Partition coefficient          | No data available                | No data available        |
| Autoignition temperature       | No data available                | No data available        |
| Decomposition temperature      | No data available                | No data available        |
| Kinematic viscosity            | No data available                |                          |
| Dynamic viscosity              | 26.5 cP                          |                          |
| Explosive properties           | No data available                |                          |
| Oxidizing properties           | No data available                |                          |

#### Other Information

|                 |                   |
|-----------------|-------------------|
| VOC Content (%) | No data available |
| Density         | 8.84lbs/gal       |

**Note:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.



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### 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage 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 known based on information supplied.



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**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity of the formulated product:**

**Oral LD<sub>50</sub>** 1,414 mg/kg  
**Dermal LD<sub>50</sub>** > 5,000 mg/kg  
**Inhalation (Vapors) LC<sub>50</sub>** > 5.52 mg/l (4-hr) (rat)

| Chemical Name                   | Oral LD <sub>50</sub>                     | Dermal LD <sub>50</sub> | Inhalation LC <sub>50</sub>         |
|---------------------------------|---|-------------------------|-------------------------------------|
| 2,4-D 2-ETHYLHEXYL ESTER        | = 300 mg/kg ( Rat )                       |                         |                                     |
| Aromatic 150                    | > 5000 mg/kg ( Rat )                      | > 2 mL/kg ( Rabbit )    | > 590 mg/m <sup>3</sup> ( Rat ) 4 h |
| Fluroxypyr 1-methylheptyl ester | = 3162 mg/kg ( Rat ) > 5000 mg/kg ( Rat ) | = 2 g/kg ( Rat )        |                                     |

| Chemical Name                         | Skin corrosion/irritation | Eye damage/irritation | Respiratory sensitization | Skin sensitization |
|---------------------------------------|---------------------------|-----------------------|---------------------------|--------------------|
| 2,4-D 2-ETHYLHEXYL ESTER<br>1928-43-4 |                           |                       |                           | Category 1         |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                         | ACGIH | IARC     | NTP | OSHA |
|---------------------------------------|-------|----------|-----|------|
| 2,4-D 2-ETHYLHEXYL ESTER<br>1928-43-4 | -     | Group 2B | -   | X    |

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic toxicity** Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

**Aspiration hazard** No information available.

**Information on likely routes of exposure**

**Product Information** No data available

**Inhalation** No data available.

**Eye contact** No data available.

**Skin contact** No data available.

**Ingestion** No data available.





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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

| Chemical Name                         | Algae/aquatic plants                                  | Fish   | Crustacea                            |
|---------------------------------------|---|--|--------------------------------------|
| 2,4-D 2-ETHYLHEXYL ESTER<br>1928-43-4 | EC50 30 mg/L 120 h<br>Pseudokirchneriella subcapitata | LC50 6 - 8.7 mg/L 96 h<br>Oncorhynchus mykiss LC50 7.8 mg/L 96 h<br>Oncorhynchus mykiss LC50 11.5 mg/L 96 h<br>Lepomis macrochirus   | -                                    |
| Aromatic 150<br>64742-94-5            | EC50 2.5 mg/L 72 h<br>Skeletonema costatum            | LC50 19 mg/L 96 h<br>Pimephales promelas LC50 2.34 mg/L 96 h<br>Oncorhynchus mykiss LC50 1740 mg/L 96 h<br>Lepomis macrochirus LC50 45 mg/L 96 h<br>Pimephales promelas LC50 41 mg/L 96 h<br>Pimephales promelas | EC50 0.95 mg/L 48 h<br>Daphnia magna |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

**Contaminated packaging**

Do not reuse container.

| Chemical Name                         | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------------------------|------|--------------------------|------------------------|------------------------|
| 2,4-D 2-ETHYLHEXYL ESTER<br>1928-43-4 | U240 | -                        | -                      | U240                   |



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**14. TRANSPORT INFORMATION**

**Note:** LESS THAN 23 GALLONS: NOT REGULATED

**DOT**

|   |  |
|---|--|
| <b>UN/ID no</b>                             | UN3082   |
| <b>Proper shipping name</b>                 | RQ GREATER THAN 23 GALLONS:<br>RQ Environmentally Hazardous Substance Liquid, N.O.S.,<br>(2,4-D) |
| <b>U.S. Surface Freight Classification:</b> | COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320,<br>SUB 2: CLASS: 60)                            |
| <b>Hazard Class</b>                         | 9  |
| <b>Packing Group</b>                        | III  |
| <b>Special Provisions</b>                   | 8, 146, 173, 335, IB3, T4, TP1, TP29   |
| <b>Emergency Response Guide Number</b>      | 171  |



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**15. REGULATORY INFORMATION**

|                    |                  |                |                    |   |            |
|--------------------|------------------|----------------|--------------------|---|------------|
| <u><b>NFPA</b></u> | Health hazards 4 | Flammability 2 | Instability 0      | Physical and Chemical Properties -<br>Personal protection D |            |
| <u><b>HMIS</b></u> | Health hazards 2 | Flammability 2 | Physical hazards 0 |   |            |
|                    | 0 - Least        | 1 - Slight     | 2 - Moderate       | 3 - High  | 4 - Severe |

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                        | SARA 313 - Threshold Values % |
|--------------------------------------|-------------------------------|
| 2,4-D 2-ETHYLHEXYL ESTER - 1928-43-4 | 0.1                           |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                         | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| 2,4-D 2-ETHYLHEXYL ESTER<br>1928-43-4 | 100 lb                      | -                      | -                         | -                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                         | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|---------------------------------------|--------------------------|----------------|---|
| 2,4-D 2-ETHYLHEXYL ESTER<br>1928-43-4 | 100 lb                   | -              | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**US EPA Waste Number** U240

**U.S. EPA Label Information**

**EPA Registration Number** 34704-1010

**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:  
CAUTION

**Difference between SDS and EPA Pesticide label**

Causes eye irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes or clothing.



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### 16. OTHER INFORMATION

**Prepared By** Product Stewardship and Regulatory Affairs

**Reviewed By** Safety, Health and Environment

**Issue Date** 05/07/2020

**Revision Date** 02/23/2018

**Revision Note**

1 SDS sections updated

**COLT + SALVO** is a registered trademark of Loveland Products, Inc.

**Disclaimer**

This safety data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.

**End of Safety Data Sheet**