



Nonfood Compounds  
Program Listed H1

## Exact™ ECL #1

### Food Grade Synthetic Can Conveyor Lubricant

#### About Exact™ ECL #1

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Exact™ ECL #1 is a premium full synthetic can conveyor lubricant designed with the food and beverage industry in mind. Exact™ ECL #1 is easily rinsed with hot or cold water.

Exact™ ECL #1 utilizes a special blend of USP, NF, and FDA<sup>i</sup> approved ingredients make Exact™ ECL #1 safe for use where incidental contact with food may occur. Exact™ ECL #1 are NSF H1 registered, and Canadian Food Inspection Agency<sup>ii</sup> approved.

#### Applications

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Exact™ ECL #1 is ideally suited for the following:


- Lubricating a wide variety of conveyors, sliding surfaces, and accumulator tables in the canning and beverage industry
- Canning applications featuring aluminum, glass bottles and various plastics
- General purpose lubrication where static can build up and cause erratic container positioning

#### Available Packaging

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These products are available in pails (19L/5 US Gal), drums (208L/55 US Gal), and bulk (1250L/330 US Gal) containers.

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# Exact™ ECL #1

## Food Grade Synthetic Can Conveyor Lubricant

### Performance Benefits

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Exact™ ECL #1 provides the following benefits:

- Exceptional chemical stability
- Non-toxic
- Readily biodegradable
- Will not corrode non-ferrous metals
- Colourless, and virtually odourless

### Technically Speaking

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#### Exact™ ECL #1

|                         |        |
|-------------------------|--------|
| NSF Registration Number | 137648 |
| Viscosity, cSt @ 40°C   | 45     |
| Viscosity, cSt @ 100°C  | 6.5    |
| pH                      | 7      |
| Specific Gravity, g/mL  | 1.15   |
| Density, lbs/US Gal     | 9.597  |

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*These are typical figures and do not constitute a specification.*

### Handling and Safety Information

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For information on the safe handling and use of this product, refer to its **Material Safety Data Sheet (MSDS)**, obtainable from [www.exactspecialty.com](http://www.exactspecialty.com)

<sup>i</sup> Complies with the United States Pharmacopoeia (USP), National Formulary (NF), Food & Drug Administration (FDA) and, in some instances, with the British Pharmacopoeia (BP), European Pharmacopoeia (EP), Japanese Pharmacopoeia (JP) and the Australian Therapeutic Goods Administration (TGA).

<sup>ii</sup> Currently CFIA approved as “Commonwealth Oil Exact ECL #1”.



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**SECTION 1: Product Information and Company Identification**

|                      |  |
|----------------------|--|
| Common Name          | Exact™ ECL #1  |
| Product Code         | E2450  |
| Material Use         | Food Grade Synthetic Can Conveyor Lubricant                                |
| Manufacturer         | Commonwealth Oil Corporation<br>2080 Ferriss Rd. N., Harrow ON.<br>NOR 1G0 |
| In Case of Emergency | CANUTEC (613) 996-6666, collect 24 hours                                   |

**SECTION 2: Composition and Information on Ingredients**

| Component  | CAS Registry # | OSHA PEL | ACGIH TVL | Concentration, % |
|--|----------------|----------|-----------|------------------|
| <b>This material is classified as not hazardous under OSHA regulations in the United States, the WHMIS in Canada and NOM-018-STPS-2000 in Mexico</b> |                |          |           |                  |

- See SECTION 8 for Exposure Limits and SECTION 11 for Toxicological Data

**SECTION 3: Hazards Information**

|   |   |
|---|---|
| Chemical Family                               | <ul style="list-style-type: none"> <li>▪ Aqueous Mixture</li> <li>▪ Liquid</li> <li>▪ No specific hazard</li> <li>▪ Use with care</li> <li>▪ Follow good industrial hygiene practices</li> <li>▪ Dermal and eye contact, inhalation, ingestion</li> <li>▪ None known</li> <li>▪ N/A</li> <li>▪ Not available</li> </ul> |
| Physical State                                |   |
| Emergency Overview                            |   |
| Routes of Entry                               |   |
| Potential Acute Health Effects                |   |
| Medical Conditions Aggravated By Overexposure |   |
| Overexposure Signs and Symptoms               |   |

- See SECTION 11 for Toxicological Data

**SECTION 4: First Aid Measures**

|              |  |
|--------------|--|
| Eye Contact  | <ul style="list-style-type: none"> <li>▪ Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for at least 20 minutes. Cold water may be used. Get medical attention should irritation persist.</li> <li>▪ Remove any contaminated clothing. Wash with soap and water. Get medical attention should irritation persist.</li> <li>▪ If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</li> </ul> |
| Skin Contact |  |
| Inhalation   |  |

# Exact™ ECL #1 – Material Safety Data Sheet (MSDS)

Ingestion

- Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious patient. Should large amounts be swallowed, call a physician.
- Not available

Note to Physician

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## SECTION 5: Fire Fighting Measures

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Flammability

- Product will not burn, but may splatter should temperature exceed boiling point. Dried solids may yield oxides of carbon if burnt.

Auto-Ignition Temperature

- N/A

Flash Point (COC)

- N/A

Flammable Limits

- N/A

Hazardous Combustion Products

- Dried solids can burn to produce oxides of carbon (CO<sub>2</sub>, CO). Thermal decomposition depends on temperature conditions.

Fire Hazard in Presence of Various Substances

- Product will not burn, but may splatter should temperature exceed boiling point.

Explosion Hazard in Presence of Various Substances

- N/A

Fire Fighting Media and Instructions

- Small Fire: Use dry chemical powder
- Large Fire: Use water spray. Do not use water jet

Protective Clothing (Fire)

- Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use MSHA/NIOSH approved respirator or equivalent

Special Remarks on Fire Hazards

- Do not use force stream as this could cause the fire to spread
  - SCBA should be worn by fire fighters
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## SECTION 6: Accidental Release Measures

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Small Spill and Leak

- Absorb with an inert material and put spilled material into appropriate waste disposal

Large Spill and Leak

- Absorb with an inert material and put spilled material into appropriate waste disposal
  - Do not allow any potentially contaminated water, including rain water, runoff from fire fighting or spills, to enter any waterway, sewer or drain
- 

- See SECTION 8 for Personal Protective Equipment and SECTION 13 for Waste Disposal

## SECTION 7: Handling and Storage

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Handling

- Avoid breathing vapors or spray mists
- Avoid contact with eyes, skin and clothing
- Always wash your hands after handling

# Exact™ ECL #1 – Material Safety Data Sheet (MSDS)

## Storage

- Keep containers tightly closed
- Store in dry, cool, and ventilated areas
- Do not cut, weld, heat or pressurize empty containers
- Do not store near open flames or sources of ignition

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## SECTION 8: Exposure Controls and Personal Protection

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### Personal Protection

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#### Eyes

- Safety glasses or goggles are advisable

#### Body

- Lab coat or suitable protective clothing are advisable

#### Respiratory

- Not required under normal and intended usage conditions

#### Hands

- Chemical resistant or oil impervious gloves are advisable

#### Feet

- Shoes (as required by work place)

#### Protection for Large Spills

- Splash goggles, full suit, vapor respirator, boots, chemical resistant gloves
- Self contained breathing apparatus should be used to avoid inhalation of product

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### Engineering Controls

- Good ventilation should be sufficient to control airborne levels
- Local exhaust is recommended to control emissions at the source
- Mechanical ventilation should be used for confined areas
- Eyewash stations and safety showers should be proximal to the workstation

### Exposure Limits

- ACGIH TLV (US and Canada)

### Oil Mist – Severely Refined

- N/A

*Consult your local authorities for your acceptable exposure limits*

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## SECTION 9: Physical and Chemical Properties

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### Physical State

- Liquid

### Appearance and Colour

- Transparent, colourless solution

### Odour

- Mild/Sweet

### pH

- 7

### Flash Point (COC)

- N/A

### Boiling/Condensation Point

- > 110°C/230°F

### Pour Point

- Not available

### Freezing Point

- Not available

### Specific Gravity

- 1.15 g/mL (Water = 1g/mL)

### Density

- 9.597 lbs/US Gal

### Vapor Pressure

- N/A

### Vapor Density

- N/A

### % Volatility, by volume

- Similar to water

### Evaporation Rate

- Similar to water

### VOC

- N/A

### Viscosity (cSt @ 40°C)

- 45

### Solubility in Water

- 100% soluble

# Exact™ ECL #1 – Material Safety Data Sheet (MSDS)

## SECTION 10: Stability and Reactivity

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|   |   |
|---|---|
| Stability and Reactivity                | ▪ Stable                                |
| Incompatibility with Various Substances | ▪ Reactive with strong oxidizing agents |
| Hazardous Decomposition Products        | ▪ Will not occur                        |
| Hazardous Polymerization                | ▪ Will not occur                        |

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## SECTION 11: Toxicological Information

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### Chronic Effects on Humans

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|            |  |
|------------|--|
| Eyes       | ▪ Slightly irritating, but will not injure eye tissue  |
| Skin       | ▪ Low toxicity. Prolonged exposure may irritate  |
| Ingestion  | ▪ Low toxicity   |
| Inhalation | ▪ Negligible under normal conditions   |
|            | ▪ Elevated temperatures, or mechanical action may cause vapors, mists or fumes which may be irritating to the eyes, nose, throat and lungs |

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### Other Effects

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|  |   |
|--|---|
| Acute Toxic Data                                 | ▪ Avoid breathing mist and fumes        |
|  | ▪ Proper ventilation should be utilized |
| Other Toxic Effects on Humans                    | ▪ Low                                   |
| Special Remarks on Toxicity to Animals           | ▪ Low                                   |
| Special Remarks on Other Toxic Effects on Humans | ▪ None reported                         |

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## SECTION 12: Ecological Information

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|   |                   |
|---|-------------------|
| BOD and COD                                       | ▪ Not established |
| Biodegradability/OECD                             | ▪ Not established |
| Mobility  | ▪ Not established |
| Products of Degradation                           | ▪ Not established |
| Products of Biodegradation                        | ▪ Not established |
| Special Remarks on the Products of Biodegradation | ▪ Not established |

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## SECTION 13: Disposal Considerations

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- Wastes should be disposed of in accordance to local, federal and state environmental control regulations

# Exact™ ECL #1 – Material Safety Data Sheet (MSDS)

## SECTION 14: Transport Information

| Regulatory Information     | UN Number     | Proper Shipping Name | Class | Packing Group | Label | Additional Information |
|----------------------------|---------------|----------------------|-------|---------------|-------|------------------------|
| United States (DOT)        | Not Regulated | -                    | -     | -             | -     | -                      |
| Canada (TDG)               | Not Regulated | -                    | -     | -             | -     | -                      |
| Mexico (NOM-004-SCT2-1994) | Not Regulated | -                    | -     | -             | -     | -                      |
| IMDG Code                  | Not Regulated | -                    | -     | -             | -     | -                      |
| IATADGR Class              | Not Regulated | -                    | -     | -             | -     | -                      |

- NAERG (North American Emergency Response Guide): N/A

## SECTION 15: Regulatory Information

### United States: Federal Regulations

- **TSCA 8(b) Inventory:** All products are listed or exempt
- **SARA 302/304/311/312 Extremely Hazardous Substances:** No products found
- **SARA 302/304 Emergency Planning and Notification:** No products found
- **SARA 302/304/311/312 Hazardous Chemicals:** No products found
- **SARA 311/312 MSDS Distribution – Chemical Inventory – Hazard Identification:** No products found
- **Clean Water Act (CWA) 307:** No products found
- **Clean Water Act (CWA) 311:** No products found
- **Clean Air Act (CAA) 112 Accidental Release Prevention:** No products found
- **Clean Air Act (CAA) 112 Regulated Flammable Substances:** No products found
- **Clean Air Act (CAA) 112 Regulated Toxic Substances:** No products found

### United States: State Regulations

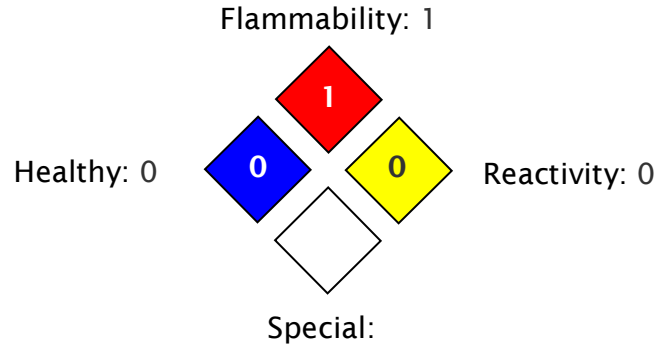
- **California Prop. 65:** No products found

### Canada: WHMIS

- Not controlled under WHMIS
- **CEPA DSL:** All products are listed or exempt
- "This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all of the information required by the *Controlled Products Regulations*."

# Exact™ ECL #1 – Material Safety Data Sheet (MSDS)

## Mexico: Classification



## SECTION 16: Other Information

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### Label Requirements

- “Use with care”
- “Use as directed”

### Hazardous Material Information System (USA):

|                     |   |
|---------------------|---|
| Health              | 0 |
| Fire Hazard         | 1 |
| Reactivity          | 0 |
| Personal Protection | B |

### National Fire Protection Association (USA):

|                        |                     |
|------------------------|---------------------|
| Date of Issue          | ▪ February 15, 2010 |
| Date of Previous Issue | ▪ November 7, 2007  |

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### Note to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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