

## D-Lead® Final Clean; D-Lead® Final Clean Pre-Mix

2201ES; 2201ES-PM

Revision Date: 08-July-2021

### 1. IDENTIFICATION

Product Name	D-Lead® Final Clean (2201ES) D-Lead® Final Clean Pre-Mix (2201ES-PM)	
Other means of identification	Product Codes: 2201ES; 2201ES-PM	
Recommended Use	Clean up of metal dusts	
<u>Company</u>	<u>Emergency Telephone Number</u>	
ESCA Tech, Inc. 3747 North Booth Street Milwaukee, WI 53212 e-mail: cservice@esca-tech.com	Company Phone Number:	Phone: (414) 962-5323 Fax: (414) 962-7003
	Emergency Telephone (24 hr):	INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

### 2. HAZARD IDENTIFICATION

#### GHS Classification

Eye damage/Irritation	Category 2B
Skin corrosion/Irritation	Category 2
Acute toxicity - oral	Category 4

#### GHS Label element

Signal Word:	Warning
Hazard Statements:	Causes eye irritation. Causes skin irritation. Harmful if swallowed.



Precautionary Statements:

#### **Prevention**

Avoid contact with eyes. Wash thoroughly after handling. Wear protective gloves, chemical safety goggles or face shield if splashing is anticipated. Do not eat, drink or smoke when using this product. Keep out of reach of children.

#### **Response**

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 attention. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink 2 – 3 glasses of water. Call a doctor if you feel unwell. IF INHALED: Remove person to fresh air.

Other Hazards:

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

		Concentrate	Pre-Mix
Chemical Name	CAS Number	Weight %	Weight %
2-Butoxyethanol (Ethylene Glycol Butyl Ether, EGBE)	111- 76-2	< 5	<1
Sodium Tripolyphosphate	7758-29-4	1 - 4	<1

Note: If Chemical Name/CAS No is "proprietary" and /or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

"Based on the available information concerning the potential hazards of and projected exposures to EGBE, EPA has made a determination pursuant to CAA section 112(b)(3)(C) that there are ``adequate data on the health and environmental effects [of EGBE] to determine that emissions, ambient concentrations, bioaccumulation, or deposition of the substance may not reasonably be anticipated to cause adverse effects to human health or adverse environmental effects." (Federal Register: November 29, 2004, Volume 69, Number 228, Page 69320).

#### **4. FIRST AID MEASURES**

##### **First Aid Measures**

In case of eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
In case of skin contact:	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice.
If swallowed:	Rinse mouth. Do not induce vomiting. Drink 2 – 3 glasses of water. Call a doctor if you feel unwell.
If inhaled:	Does not generate vapors at normal temperature. Remove person to fresh air. If symptoms occur: Get medical attention.
Symptoms:	May cause painful stinging of eyes and lids, watering of eyes. Prolonged contact with skin may cause dryness, redness, skin irritation or mild burn. Ingestion may cause irritation and burns to mouth, throat and stomach, nausea, dizziness or fatigue.
Notes to physician:	Treat symptomatically.

See toxicological information (Section 11).

#### **5. FIRE FIGHTING MEASURES**

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and surrounding environment.
Unsuitable extinguishing media:	None known.
Specific hazards during firefighting:	Not flammable or combustible.
Hazardous combustion products:	Carbon oxides
Protective equipment and precautions for firefighters:	As in any fire, wear self-contained breathing apparatus MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific extinguishing methods:	Collect contaminated fire extinguishing water separately. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations. In the event of fire do not breathe fumes.

#### **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures:	Ensure clean-up is conducted by trained personnel only. Refer to protective measures, section 7 and 8.
Environmental precautions:	Avoid contact with soil, surface or groundwater.
Methods and material containment and cleaning up:	Stop and prevent further leakage or spillage if safe to do so. Contain spillage and then absorb with non-combustible, absorbent material. Place in appropriate containers for disposal. Dispose of in accordance with federal, state and local regulations.

#### **7. HANDLING AND STORAGE**

Advice on safe handling:	Dispense with a plastic or stainless steel dispenser. Avoid dispensers with wetted metal parts, except stainless steel. Heat buildup may cause product to cloud and separate irreversibly. Use personal protection recommended in Section 8. Wash thoroughly after handling. Avoid contact with eyes. DO NOT take internally.
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Conditions for safe storage: Keep out of reach of children. Keep container tightly closed in a cool, dry and well-ventilated place. Store in suitable labeled containers.

Storage temperature: Store in a cool, dry and well ventilated place. Store between 40 – 100 °F (4 - 38 °C), and keep out of direct sunlight and away from extreme heat.

Incompatible materials: Do not mix with other chemicals or cleaners.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
2-Butoxyethanol 111- 76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Sodium Tripolyphosphate 7758-29-4	NE	NE	-

Engineering Controls: Eyewash stations, showers.

### Individual protection measures, such as personal protective equipment

Eye/face protection: Avoid contact with eyes. Wear chemical safety goggles or face shield if splash hazard is exist.

Skin and body protection: Wear protective gloves.

Respiratory protection: No protective equipment is needed under normal use conditions.

Hygiene measures: Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

	<u>Concentrate</u>	<u>Pre-mix</u>
Appearance:		Clear liquid
Color:		Yellow
Odor:		Camphor
Odor threshold:		Not determined
pH:	8.5 – 9.5	8.6 @ a 4:1 dilution with water
Melting point/Freezing point:		Not determined
Boiling point/Boiling range:		98°C/ 208 °F
Flash point:		Not applicable
Evaporation rate:		Not established
Flammability:		Not applicable
Upper Flammability Limits:		Not applicable
Lower Flammability Limits:		Not applicable
Vapor pressure:		Not established
Vapor density:		>1 (same as water) (Air = 1)
Specific gravity:	1.020 – 1.080	(Water = 1)
Water solubility:		Completely soluble
Solubility in other solvents:		Not determined
Partition coefficient:		Not determined
Auto-ignition temperature:		Not determined
Decomposition temperature:		Not determined
Viscosity:		Not determined
VOC content	5% maximum	1% maximum

## 10. STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur
Incompatible materials:	Do not mix with other chemicals or cleaners.
Hazardous decomposition products:	Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

### Product

#### Potential Health Effects

Eyes:	Irritating to eyes.
Skin:	May cause dryness, redness and skin irritation with prolonged contact.
Ingestion:	Do not taste or swallow.
Inhalation:	Health injuries are not expected under normal use.

#### Toxicity

Acute oral toxicity:	Numeric measures of toxicity: Not determined.
Acute dermal toxicity:	Not determined.
Acute inhalation toxicity:	Not determined.
Sensitization:	May cause allergic skin reaction in some individuals
Carcinogenicity:	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Ingredients Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol 111- 76-2	= 470 mg/kg (Rat)	=2,270 mg/kg (Rat) =220 mg/kg(Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4h
Chloroxylenol 88-04-0	= 3,830 mg/kg (Rat)	-	-
Sodium Tripolyphosphate 7758-29-4	> 2,000 mg/kg LD50 – (Rat)	4,640 mg/kg LD50 (Rabbit)	> 0.39 mg/l LC50 (Rat) 4 h

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Environmental effects: Harmful to aquatic life.

### Product

Toxicity to fish:	No data available.
Toxicity to daphnia and other aquatic invertebrates:	No data available.
Toxicity to algae:	No data available.

**Ingredients**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Butoxyethanol 111- 76-2		1,490: 96 h Lepomis macrochirus mg/L LC50 static 2,950: 96 h Lepomis macrochirus mg/L LC50		1,498: 48 h Daphnia magna mg/L EC50 340.7 – 469.2: 48 h Daphnia magna mg/L EC50 static
Chloroxyleneol 88-04-0		0.13 – 1.0: 96h Oncorhynchus mykiss mg/L LC50 static 1.3 – 2.1: 96h Lepomis macrochirus mg/L LC50 static	EC50 = 1.6 mg/L 5 min	6.7 - 9: 48 h Daphnia magna mg/L EC50 static
Sodium Tripolyphosphate 7758-29-4				> 100 - 48 h Daphnia magna mg/l EC50 - (Water flea)

Persistence/Degradability: Not determined.  
 Bioaccumulative potential: Not determined.  
 Mobility in soil: 2-Butoxyethanol (111- 76-2) - Partition coefficient: 0.81  
 Other Adverse Effects: Not determined.

**13. DISPOSAL CONSIDERATION**

**Waste Treatment Methods**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.  
**Packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.  
**D.O.T.:** Not regulated.  
**IATA.:** Not regulated.  
**IMDG:** Not regulated.

**15. REGULATORY INFORMATION**

**US Federal Regulations**

RCRA (Lists of Hazardous Wastes, 40 CFR 261 Subpart D): NA  
 CLEAN AIR ACT (SEC. 112. Hazardous Air Pollutants): NA  
 CLEAN WATER ACT (RQ, 40 CFR): NA  
 SARA Title III:  
     Section 302 -304, 40 CFR 355: Components present in this product at a level which could require reporting are: none.  
     Section 311 - 312: Components present in this product at a level which could require reporting are: none.  
     Section 313: NA  
 TSCA Section 8(b) Inventory Status: All ingredients are listed on TSCA Inventory of Chemical Substances or exempt from TSCA Inventory requirements.

Canada DSL: All ingredients are listed on the Canada Domestic Substances List.

AICS Inventory Status: All ingredients are listed on the Australia Inventory of Chemical Substances.

REACH Low quantity exemption.

State Lists:

2-Butoxyethanol – CA, FL, MA, NJ, PA

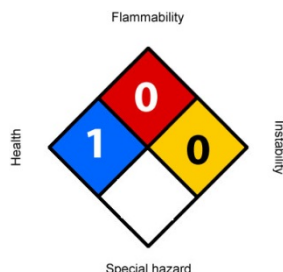
This product does not contain any Proposition 65 chemicals.

**Legend**

*AICS – Australian Inventory of Chemical Substances*  
*ACGIH - American Conference of Governmental Industrial Hygienists*  
*D.O.T. – Department of Transportation (US)*  
*DSL/NDL – Canadian Domestic Substances List/Non-Domestic Substances List*  
*EU – European Union*  
*IARC – International Agency for Research on Cancer*  
*IATA - International Air Transport Association*  
*IMDG- International Maritime Dangerous Goods*  
*NIOSH - National Institute for Occupational Safety and Health*  
*NTP – National Toxicology Program (US)*  
*OSHA - Occupational Safety and Health Administration (US)*  
*REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (EU)*  
*RCRA - Resource Conservation and Recovery Act*  
*SARA - Superfund Amendments and Reauthorization Act (US)*  
*TSCA – United States Toxic Substances Control Act Section 8(b) Inventory*

**16. OTHER INFORMATION**

**NFPA:**



**HMIS III**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PROTECTIVE EQUIPMENT	

0 = not significant  
1 = slight  
2 = moderate

3 = high  
4 = extreme  
\* = chronic

**Revisions:**

Issue Date: 20-March-1991

Revision Date: 08-July-2021

Revision number: R17

Revision note: New format. Updates: Section 2 and 4; Rev 15: Added Final Clean Pre-mix. Rev 16: Updates: Section 2, 4, 7, 8, 11. Rev 17: Review, no changes

Disclaimer "

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and it is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any process, unless specified in the text.