



Safety Data Sheet (SDS)

CLEARSR

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifiers

Product name : ClearSR
Product identifier : ClearSR Waterspot Remover
Product Family : Aqueous mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses : Automotive body detailing

1.3. Details of the supplier of the safety data sheet

Company : The Last Coat LLC
12636 High Bluff Dr. Suite 400
PMB#11819
San Diego, CA, 92123

Telephone :

Fax :

1.4. Emergency telephone number

Emergency phone # : PERS NORTH AMERICA 1-800-633-8253
INTERNATIONAL 1-801-629-0667

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910(OSHA HCS)

H302- Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H301 Toxic if swallowed.

Precautionary Statements

P260 - Do not breathe mist, vapours, spray

P264 Wash skin thoroughly after handling.

P270 Do not eat/drink/smoke while using product.

P273 Avoid release to the environment.

P280 Wear eye protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

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



2.2.GHS Label elements, including precautionary statements

SIGNAL WORD: WARNING

Pictogram



3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS number	Warnings	Concentration
Phosphoric acid	7664-38-2		5-15 Trade Secret*
Hydroflouric acid	7664-39-3		1-5 Trade Secret*
Trade Secret*	Trade Secret*		Trade Secret*
2-Butoxy Ethanol	111-76-2		1-5 Trade Secret*

4. FIRST AID MEASURES

First aid procedures

INHALATION:

Remove from exposure and get fresh air. Keep warm and at rest. Get medical attention immediately if artificial respiration is required.

SKIN CONTACT:



Remove contaminated clothing, jewelry and shoes immediately. Flush affected area with large amounts of water, then use soap or mild detergent and large amounts of water for 15-20 minutes to cleanse area. If skin is severely irritated or burned, get medical attention immediately.

EYE CONTACT:

Immediately flush eyes with large amounts of water occasionally lifting upper and lower lids for at least 15 minutes. Get immediate medical attention.

INGESTION

Rinse mouth with water. DO NOT INDUCE VOMITING unless instructed to by medical personnel. If vomiting occurs keep head lower than hips to help prevent aspiration. If person is unconscious, do not induce vomiting; turn their head to the side. Never make an unconscious person vomit or drink fluids. Get medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint: 100C/212F

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Self ignition: Not applicable

Ignition temperature: not tested.

Hazardous combustion products: carbon oxides, carbon monoxide, corrosive vapors.

Extinguishing media: water spray jet, alcohol-resistant foam, carbon dioxide, dry powder.

Wear self-contained breathing apparatus and other protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use the Personal protective Equipment recommended in Section 8 of this SDS

Environmental Precautions

Spilled product may present a slipping hazard or result in unintended fumes. Please absorb excess, rinse area and ensure adequate ventilation.

Methods for Containments and Clean-up

Isolate area; keep unnecessary personnel away. Do not discharge into drains. Ventilate closed spaces before entering. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Wear appropriate protective equipment and clothing during cleanup. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. HANDLING AND STORAGE

Handling

Do not get in eyes, on skin, or on clothing. Do not breathe vapor. Keep container closed. Promptly clean up spills. Wash thoroughly after handling.

Storage

Store with caution. Do not store in temperatures above 120F. Bottle/container may swell and or fumes accumulate. Store in adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guideline Comments

Exposure Limits:

PHOSPHORIC ACID

USA OSHA PEL (TWA) (mg/m³) 1 mg/m³

HYDROFLUORIC ACID

Hydrofluoric Acid 0.5 ppm 0.41 mg/m³ TLV ACGIH 2 ppm 1.64 mg/m³ CEIL ACGIH 3 ppm PEL OSHA 3 ppm 2.5 mg/m³ REL NIOSH 6 ppm 5 mg/m³ CEIL NIOSH

2-Butoxyethanol

111-76-2 TWA 20.000000 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye/Face Protection

Wear safety-glasses. Do not inhale. Use adequate ventilation.

Skin Protection

Wear gloves while in use.

Respiratory Protection

Niosh approved respirator for airborne particles if adequate ventilation not present.

General Hygiene Considerations

Treat products as sum of its components. Oxides and particulate matter may irritate lungs. Wash hands before and after use and before smoking eating or drinking.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Appearance	pink
Particle Size	liquid
Odor	ACRID
Odor Threshold	No Available Data
Molecular Formula	Mixture
Molecular Weight	Mixture
Boiling Point	180F
Decomposition Temperature	No Available Data
Melting point	32F
Freezing Point	32F
Relative Density	.97g/cm ³
Bulk Density	No Available Data
Solubility in Water	100%
Solubility in other liquids	No Available Data
pH	2-3
Flash point	No Available Data

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid extreme temperatures.
Hazardous Decomposition Products	carbon oxides, sodium oxides, corrosive vapors
Possibility of Hazardous Reactions	Do not bring into contact with oxidizers, ammoniac compounds, caustic compounds or aluminum.

11. TOXICOLOGICAL INFORMATION

2-Butoxy Ethanol	LD50 Oral - Rat - male - 880 mg/kg (OECD Test Guideline 401)
HYDROFLUORIC ACID	Respiratory LC50- rat- 1 hour: 2240-2340 ppm Ingestion LD100- guinea pig- 80 mg/kg

Phosphoric Acid LD50 oral rat \geq 90000 mg/kg

Skin Irritation/Corrosion

May be irritating to skin.

Eye Irritation/Corrosion

May cause eye irritation/damage.

Effects of Short-Term (Acute) Exposure

No data available.

Inhalation

Burning, choking, coughing, wheezing, laryngitis, shortness of breath, headache or nausea.

Ingestion

No data available.

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

12. ECOLOGICAL TOXICITY

General Comments



2-Butoxy Ethanol

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) - 1,474 mg/l - 96 h (OECD Test Guideline 203)

Hydroflouric acid

Aquatic Vertebrate Aquatic fish; EC50 (48 hours): 270 mg/l

Phosphoric Acid

LC50 fishes 1 138 mg/l (96 h; Pisces; PURE SUBSTANCE)

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government guidelines.

14. TRANSPORT INFORMATION

Shipping Information

Phosphoric acid solution.

8-class 8 corrosive material 49 CFR 173.136

8-CORROSIVE SUBSTANCES

UN-No.(DOT) 1805

UN1805

Ship in accordance with 49 CFR parts 100-185. Non-hazardous for air, sea and road freight.

Special Shipping Information

Not applicable.

NFPA/HMIS

2 HEALTH

0 FLAMMABILITY

0 REACTIVITY

15. REGULATORY INFORMATION

United States

SARA 313 Components The following components are subject to reporting levels established by SARA Title III, Section 313:

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24

UN1790, Hydrofluoric Acid solution, 8 (6.1), pg II

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Phosphoric Acid, 10% v/v

California

Product is not known, at this time, to contain any California prop 65 materials.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

UN1790, Hydrofluoric Acid solution, 8 (6.1), pg II

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24

Pennsylvania Right To Know Components

UN1790, Hydrofluoric Acid solution, 8 (6.1), pg II

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24

New Jersey Right To Know Components

UN1790, Hydrofluoric Acid solution, 8 (6.1), pg II

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24



California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

SDS Prepared by:

The Last Coat LLC

Disclaimer

This health and safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, to maintain revised copies of this information to be requested. When applicable, revised copies shall be sent to customers whom have been directly supplied with this substance. It must be known that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the user. The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this sheet.