

SAFETY DATA SHEET

SIGNATURE
COC HL

SDS NUMBER: 327

DATE OF ISSUE: 11/10/2022

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER:

TRADE NAME: Signature COC HL

1.2 RECOMMENDED USE: HIGH SURFACTANT OIL CONCENTRATE

1.3 SUPPLIER DETAILS:

LOVELAND PRODUCTS, INC.

P.O. Box 1286 • Greeley, CO 80632-1286

1.4 24 Hour Emergency Phone: 1-800-424-9300 - Medical Emergencies: 1-866-944-8565

U.S. Coast Guard National Response Center: 1-800-424-8802

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 29 CFR 1910.1200

Combustible Liquid		H227
Eye Irritation	Category 2	H319
Skin Irritation	Category 2	H315
Aquatic Acute	Category 2	H401

2.2 Label elements



Signal word:

WARNING

Hazard Statements:

H227 – Combustible liquid.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H401 – Toxic to aquatic life.

Precautionary
Statement:

P210 – Keep away from heat / sparks / open flames / hot surfaces – No smoking.
P264 - Wash thoroughly after handling.
P273 – Avoid release to the environment.
P280 - Wear protective gloves and eye / face protection

(Prevention):

Precautionary
Statement:

P302+P352 – IF ON SKIN: Wash with plenty of water for 15 to 20 minutes
P305+P351+P338 – IF IN EYES: Rinse with water for 15 to 20 minutes. Remove contact lenses, if present, and continue rinsing eyes.
P312 – Call a POISON CENTER or doctor / physician if you feel unwell.
P337+P313 – If eye irritation persists: Get medical advice / attention.
P362 – Take off contaminated clothing and wash before reuse.
P370+P376 – In case of fire: Stop leak if safe to do so.

(Response):

Precautionary
Statement:

(Storage):
(Disposal):

P403+P235 – Store in a well-ventilated place. Keep cool.
P501 – Dispose of contents / container in accordance with local / national regulations.

2.3 Other hazards

None known

KEEP OUT OF REACH OF CHILDREN –

Appearance and odor: Clear amber liquid with oily odor.

WARNING

Potential Health effects

Routes of exposure

Eye contact, skin contact, inhalation. Avoid breathing spray mist.

Eyes

Irritates eyes.

Skin

May be harmful if in contact with skin.

Inhalation

May be irritating to respiratory system.

Ingestion

May be harmful if swallowed.

Target organs

Skin. Eyes. Inhalation.

Signs and symptoms

Harmful if inhaled. May be harmful if in contact with skin.

Potential environmental effects

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

SAFETY DATA SHEET

SIGNATURE
COC HL

SDS NUMBER: 327

DATE OF ISSUE: 11/10/2022

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Classification according to 29 CFR 1910.1200

Chemical Name:	CAS No.	Classification	Concentration [%]
Proprietary blend of Surfactants, Base Oil, and Solvent		Combustible Liquid H227 Skin Irrit. 2: H315 Eye Irrit. 2: H319 Aquatic Acute 2: H401	100.00%

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact: 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.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person 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.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Overview: Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Eyes: Causes serious eye irritation.

Skin: Causes skin irritation.

4.3 Immediate Medical Attention and Special Treatment

Treatment: Treat symptomatically. Symptoms may be delayed.
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565
Take container, label or product name with you when seeking medical attention.

NOTES TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Alcohol resistant foam, carbon dioxide (CO₂), powder, water spray. Do not use water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: Keep away from heat / sparks / open flames / hot surfaces - No smoking. Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon as well as smoke and fume.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment 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.

SAFETY DATA SHEET

SIGNATURE
COC HL

SDS NUMBER: 327

DATE OF ISSUE: 11/10/2022

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space, evacuate the area.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Do not allow spills to enter drains, sewers, or watercourses.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13). Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or watercourses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the U.S. Coast Guard National Response Center should also be informed.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Handle containers carefully to prevent damage and spillage. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. If stored below 20°F (-6°C) for an extended period, product may become cloudy and thicken. Raise temperature to 32°F (0°C) and product will return to clear, fluid state. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS

U.S. Workplace Exposure Level (OSHA, ACGIH, NIOSH) Guides

Components	Type	CAS No.	Value
n-Butyl Alcohol	TWA	71-36-3	100 ppm (300 mg/m ³) – OSHA 20 ppm (61 mg/m ³) – ACGIH C 50 ppm (150 mg/m ³) – STEL – NIOSH [skin]
(2-Methoxymethylethoxy)propanol	TWA	34590-94-8	100 ppm (600 mg/m ³) – OSHA [skin] 100 ppm (150 ppm STEL) – ACGIH [skin] 100 ppm (150 ppm STEL) – NIOSH [skin]

This product also contains the following ingredient (at greater than 0.1%): Diethanolamine (CAS No. 111-42-2). Diethanolamine is listed by IARC as IARC-2B: Possibly Carcinogenic to Humans and by ACGIH as TLV-A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans.

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Specimen
No listings		

8.2 EXPOSURE CONTROLS:

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Individual Protection Measures:

Eye / Face Protection: Goggles or shielded safety glasses are recommended.

Skin Protection: Coveralls worn over long-sleeved shirt and long pants. Chemical-resistant gloves. Chemical-resistant footwear plus socks.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of mists or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-21C or NIOSH approved respirator with N, R, P or HE filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

SAFETY DATA SHEET

SDS NUMBER: 327

DATE OF ISSUE: 11/10/2022

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE :	Clear liquid
ODOR:	Oily.
ODOR THRESHOLD:	No data available.
COLOR:	Amber.
pH:	5.0 (1% solution)
MELTING POINT / FREEZING POINT:	No data available
BOILING POINT:	No data available
FLASH POINT:	192°F (89°C) / SETA CC
FLAMMABILITY (solid, gas):	No data available.
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available.
VAPOR PRESSURE:	No data available.
SOLUBILITY:	Dispersible
PERCENT VOLATILE (by volume):	No data available
PARTITION CO-EFFICIENT, n-OCTANOL / WATER:	No data available.
AUTO-IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	No data available
VISCOSITY, dynamic:	No data available
SPECIFIC GRAVITY (Water = 1):	0.91 g/ml
BULK DENSITY:	7.59 lbs./gal / 0.91 kg/L

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.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable

10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

10.4 CONDITIONS TO AVOID

Extreme heat / open flame / sparks and other sources of ignition.

10.5 INCOMPATIBLE MATERIALS

Oxidizing agents, strong acids, strong bases.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon from burning.

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Eye contact. Skin contact.

LC₅₀ (rat): No data available

LD₅₀ Oral (rat): >5,000 mg/kg

LD₅₀ Dermal (rat): >5,000 mg/kg

Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): Causes skin irritation.

Eye Irritation (rabbit): Causes serious eye irritation.

Specific Target Organ Toxicity: Single exposure: No data available.

Aspiration: No data available

Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenicity: No data available

Germ Cell Mutagenicity: No data available

Interactive Effects: None known

SAFETY DATA SHEET

SIGNATURE
COC HL

SDS NUMBER: 327

DATE OF ISSUE: 11/10/2022

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

The product is expected to be toxic to aquatic life.

Ecotoxicological Data

	Species	Test Results
Product component		
No data available.		

Drift or runoff may adversely affect non-target plants.
Do not apply directly to water.
Do not contaminate water when disposing of equipment wash water.
Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

12.4 MOBILITY IN SOIL

No data available.

12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

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.

14. TRANSPORT INFORMATION

14.1 LAND TRANSPORT

DOT Shipping Description: 119 gallons or less: NOT REGULATED.

DOT Shipping Description: Greater than 119 gallons: NA 1993, COMBUSTIBLE LIQUID, N.O.S. (BUTANOL AND (2-METHOXYMETHYLETHOXY) PROPANOL), III ERG GUIDE 128

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS 60)

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

NFPA

1	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

HMIS

1	Health
0	Flammability
0	Reactivity
B	PPE

SAFETY DATA SHEET

SIGNATURE
COC HL

SDS NUMBER: 327

DATE OF ISSUE: 11/10/2022

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire Y Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: n-Butyl Alcohol (CAS: 71-36-3) 5,000 lbs.; Diethanolamine (CAS: 111-42-2) 100 lbs.

SARA, Title III, Section 313: n-Butyl Alcohol (CAS: 71-36-3); Diethanolamine (CAS: 111-42-2)

RCRA Waste Code: U031 (n-Butyl Alcohol)

CA Proposition 65: **WARNING:** This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER INFORMATION

SDS STATUS: New

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

Disclaimer and Limitation of Liability: This 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.