



SAFETY DATA SHEET

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C4 Industrial Truck Cleaner

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

- Product Name** • C4 Industrial Truck Cleaner
Product Formula • HH277RTU

RELEVANT IDENTIFIED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

- Relevant Use** • Concrete truck cleaner.

SUPPLIER DETAILS

- Legion Chemicals LLC
819 W Commercial St
Springfield, MO 65803
Ph: 417-569-3922
<https://www.legionchemicals.com>

SECTION 2: HAZARD IDENTIFICATION

United States (US) - According to OSHA 29 CFR 1920.1200 Hazard Communication Standard

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- Hazard Classification** • Serious Eye Damage/Eye Irritation - 2B

LABEL ELEMENTS

- Signal Word and Pictogram** • Warning

NO
SYMBOL

HAZARD STATEMENTS

H320 Causes eye irritation

PRECAUTIONARY STATEMENTS

P264

P305+P351+P338

P337+P313

Wash thoroughly after handling.

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 advice/attention.

OTHER HAZARDS •



HEALTH	1
FLAMMABILITY	0



PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

SECTION 3: COMPOSITION INFORMATION ON

Chemical Identity	CAS	Percent Weight
Methanesulfonic Acid	75-75-2	<6
Citric Acid	77-92-9	<8
2-Butoxyethanol	111-76-2	<2
No other reportable hazardous materials.	N/A	

SECTION 4: FIRST AID MEASURES

- INHALATION** • If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Call a physician immediately.
- SKIN** • Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse.
- EYE** • Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician if irritation persists.
- INGESTION** • Do not induce vomiting. Never give anything by mouth to an unconscious person. Dilute by drinking two large glasses of water. Call a physician immediately.

SECTION 5: FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA** • Use non-flammable or non-explosive extinguishing media.

- SPECIFIC HAZARDS** • No known unusual hazards in a fire or explosion situation.

- SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS** • In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- FOR NON-EMERGENCY PERSONNEL** • For non-emergency personnel, ventilate area of leak or spill and remove all ignition sources. Wear appropriate personal protective equipment as required to prevent any contamination of skin, eyes, and personal clothing. Isolate release area. Do not touch or walk through spilled material unless wearing the appropriate protective equipment. Keep unnecessary and unprotected personnel from entering.

- FOR EMERGENCY RESPONDERS** • For emergency responders, as an immediate precautionary measure, isolate spill



or leak area for at least 50 meters (150 feet) in all directions. This product is not flammable. If container is on fire, stay out of smoke. Stay upwind. Ventilate closed spaces before entering.

ENVIRONMENTAL PRECAUTIONS

- ACCIDENTAL RELEASE ENVIRONMENTAL**
- Stop leak if you can do it without risk. If possible, keep from entering into storm drains, surface water, or ground water. This product is biodegradable.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- CONTAINMENT AND CLEANUP**
- Contain and recover liquid when possible. Cover drains or cap spill when safe. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Small spills may be flushed to the sanitary sewer with approval from local authorities.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

CONDITIONS FOR SAFE STORAGE AND INCOMPATIBILITIES

- Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

Chemical Identity	CAS	TLV
Methanesulfonic Acid	75-75-2	N/E
Citric Acid	77-92-9	N/E
2-Butoxyethanol	111-76-2	50 ppm
No other reportable hazardous materials.	N/A	N/A

APPROPRIATE ENGINEERING CONTROLS

- Use adequate ventilation systems as needed to maintain air concentrations below occupational exposure standards.

INDIVIDUAL PROTECTIONS MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

EYE / FACE PROTECTION

- Chemical safety glasses.

SKIN PROTECTION

- None required under normal, temporary use. For long periods of contact, nitrile gloves are recommended.

RESPIRATORY PROTECTION

- None required under normal use.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.	Lower Limits	Not available.
Odor	Light sweet odor.	Vapor Pressure	Not available.
pH	1.8 neat	Vapor Density	Not available.
Melting Freezing Point	Not available.	Relative Density	1.06 g/ml
Initial Boiling Point	Not available.	Solubility	Miscible with water
Flash Point	DNF	Partition Coefficient	Not available.
Evaporation Rate	Not available.	Auto Ignition Temp	Not available.
Flammability	Not flammable.	Decomposition Temp	Not available.
VOC (g/L)	<25 g/L	Viscosity	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	• No dangerous reaction known under conditions of normal use.
Chemical Stability	• Stable under normal temperatures and pressures.
Possibility of Haz Rxns	• Will not occur.
Conditions to Avoid	• No unusual conditions.
Incompatible Materials	• Do not mix with strong acids or bases. Do not mix with any other chemical unless instructed to do so by the manufacturer.
Hazardous Decomposition	• In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, soot, and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity	No specific information available for mixture.
Skin Corrosion/Irritation	No specific information available for mixture.
Serious Eye Damage/Irritation	No specific information available for mixture.
Respiratory or Skin Sensitization	No specific information available for mixture.
Germ Cell Mutagenicity	No specific information available for mixture.
Carcinogenicity	No specific information available for mixture.
Reproductive Toxicity	No specific information available for mixture.
STOT Single Exposure	No specific information available for mixture.
STOT Repeated Exposure	No specific information available for mixture.
Aspiration Hazard	No specific information available for mixture.

Target Organs	Skin.
Routes of Entry Exposure	Ingestion, inhalation, skin, eye. Ingestion, inhalation, skin, eye.

POTENTIAL HEALTH EFFECTS

INHALATION ACUTE	• May irritate nose, throat and lungs with continuous, non-interrupted use.
INHALATION CHRONIC	• Vapors or mists may aggravate pre-existing lung conditions.
SKIN ACUTE	• May cause irritation. Prolonged exposure may cause redness or pain. and should be avoided.
SKIN CHRONIC	• Sensitivity of the skin may occur with repeated, prolonged exposure.
EYE ACUTE	• May cause redness, tearing, swelling and pain. Prolonged exposure to eyes should



be avoided.

EYE CHRONIC

- No data available.

INGESTION ACUTE

- May irritate gastrointestinal tract. Ingestion of large amounts may cause nausea, vomiting and diarrhea.

INGESTION CHRONIC

- No data available.

SECTION 12: ECOLOGICAL INFORMATION**TOXICITY**

- Not enough information on the mixture is available.

**PERSISTENCE &
BIODEGRADABILITY**

- Not enough information on the mixture is available. The components of the mixture are determined as either readily biodegradable or inherently biodegradable. It is

**BIOACCUMULATIVE
POTENTIAL**

- Not enough information on the mixture is available.

MOBILITY IN SOIL

- Not enough information on the mixture is available.

**OTHER ADVERSE
EFFECTS**

- Not enough information on the mixture is available.

SECTION 13: DISPOSAL CONSIDERATIONS**DISPOSAL
CONSIDERATIONS**

- Small amounts of product may be disposed into a sanitary sewer, where allowed by local authorities. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: TRANSPORT INFORMATION**TRANSPORT
ENVIRONMENTAL
HAZARDS
SPECIAL
PRECAUTIONS**

- Not regulated by D.O.T.
- None known.
- None known.

SECTION 15: REGULATORY INFORMATION**SARA TITLE III INFORMATION**

Chemical Identity	CAS / CAT CODE	PERCENT WT
Glycol Ethers	N230	<2

OTHER REGULATORY INFORMATION

- **TSCA (Toxic Substance Control Act):** All ingredients of this product are listed on the TSCA inventory.
- **CARCINOGENICITY:** Not listed by IARC, NTP, or OSHA.
- **CALIFORNIA PROPOSITION 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins which would be subject to the proposition.

SECTION 16: OTHER INFORMATION



KEY TO ABBREVIATIONS

N/E = Not Established. CAS = Chemical Abstract Service. ppm = Parts Per Million
g/L = Grams per Liter mg/m3 = milligrams per cubic meter

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