

SAFETY DATA SHEET

F-JS-401

Tec/Cide Plus

SECTION 1 - Identification

PRODUCT IDENTITY: Tec/Cide Plus

PRODUCT NUMBER: F-JS-401

CORNHUSKER STATE INDUSTRIES
800 PIONEERS BLVD
LINCOLN, NEBRASKA 68502
PHONE: 800-348-7537 or 402-471-4597

Emergency Phone Number
CHEMTREC
1-800-424-9300

Recommended Use: Disinfectant Cleaner.

Recommended restrictions: None Known.

SECTION 2 – Hazard(s) Identification

Physical Hazards: Not classified

Health Hazards: Acute toxicity, oral

Not classified

Acute toxicity, dermal

Not classified

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 1

OSHA defined hazards: Not classified

Label Elements



Signal Word: Danger

Hazard statement: Causes serious eye damage. Causes skin irritation.

Prevention: Wear safety glasses with side shields (or goggles). Wear protective gloves. Wash hands thoroughly after handling.

Response: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN: Wash with plenty soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage: Store away from incompatible materials. Keep out of reach of children.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None known.

SECTION 3 – Composition/Information on Ingredients

Mixtures

Chemical name	CAS number	% by weight
N-Alkyl(C14 50%, C12 40%, C16 10%)-N,N-dimethyl-N-benzylammonium Chloride	68424-85-1	5 - <10
Didecyldimethylammonium Chloride	7173-51-5	1 - <5
Diocetyl Dimethyl Ammonium Chloride	5538-94-3	1 - <5
Ethyl Hydroxide	64-17-5	1 - <5
Non-Ionic Surfactant	Proprietary	1 - <5

SECTION 4 – First-Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Notes to physician: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Most Important Symptoms/Effects, Acute and Delayed: Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5 – Fire-Fighting Measures

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon Dioxide (CO2).

Unsuitable extinguishing media: None Known.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6 – Accidental Release Measures

Personal precautions, Protective equipment & emergency procedures: Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during cleanup. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

SECTION 7 – Handling & Storage

Precautions for safe handling: Wear appropriate personal protective equipment. Do not get this material in contact with eyes. Avoid contact with skin. Avoid contact with clothing. Avoid prolonged exposure. Provide adequate ventilation. Do not mix with other chemicals. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see Section 10 of SDS). Keep out of reach of children.

SECTION 8 – Exposure Controls/Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethyl Hydroxide (CAS 64-17-5)	STEL	1000 ppm

Control parameters

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components		
Ethyl Hydroxide (CAS 64-17-5)	PEL	1900 mg/m ³
		1000 ppm

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Appropriate engineering controls: Eye wash facilities and emergency shower must be available when handling this product. Provide adequate local exhaust ventilation to maintain worker exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection, Hand Protection: Wear protective gloves.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 – Physical and Chemical Properties

Appearance: Clear.

Form: Liquid.

Color: Dark Green.

Odor: Sassafras.

Odor Threshold: Not available.

pH: 1.3

Melting point/freezing Point: Not available.

Boiling Point: 212°F (100°C)

Flash Point: Not available.

Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits

Flammability limit-lower: Not available.

(%)

Flammability limit-upper: Not available.

(%)

Vapor pressure: Not available.

Vapor density: Not available.

Solubility(ies)

Solubility (water): 100%

Partition coefficient: Not available.

(n-octanol/water)

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Water-thin.

Specific Gravity: 1.02

VOC (Weight %): 2.1 %

SECTION 10 – Stability & Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Contact with incompatible materials. Do not mix with other chemicals. Reacts violently with strong alkaline substances.

Incompatible materials: Incompatible with bases. This product may react with reducing agents.

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11 – Toxicological Information

Toxicological data

Product

Tec/Cide Plus

Test Results

Acute Dermal LD50 Rabbit:>5000 mg/kg

Acute Oral LD50 Rat: 5890 mg/kg

Information on likely routes of exposure

Eye contact: Causes serious eye damage.

Skin contact: Causes skin irritation.

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Ingestion: Expected to be low ingestion hazard. May cause discomfort if swallowed.

Inhalation: No adverse effects due to inhalation are expected.

Symptoms related to the physical, chemical and toxicological characteristics: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

Skin corrosion/irritation

Irritation Corrosion-Skin

Tec/Cide Plus

4.496 Primary Skin: Draize, moderately irritating
Species: Rabbit

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Chronic effects: Prolonged inhalation may be harmful.

Toxicological information: Occupational exposure to the substance or mixture may cause adverse effects.

SECTION 12 – Ecological Information

N/A

SECTION 13 – Disposal Considerations

N/A

SECTION 14 – Transport Information

N/A

SECTION 15 – Regulatory Information

N/A

SECTION 16 – Other Information

Issue Date: 2-11-16

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. 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 relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release.