

SAFETY DATA SHEET

3n1 Total-C NEF

VERSION 3.1



REVISION DATE 08/01/2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : **3n1 Total-C NEF (Non-Emulsifying Formula)**

Product Use : Drain Additive / Technical microbial preparation

MANUFACTURER OR SUPPLIER'S DETAILS

Company : Power Line Industries, Inc.

Address : 14773 Heritage Crest Way
Riverton, UT 84065

Telephone : 801-545-0777

EMERGENCY TELEPHONE NUMBERS

For SDS Information	:	Compliance Services 1-866-624-8186
For a Medical Emergency	:	1-800-222-1222 or DIAL 911
For a Transportation	:	ChemTel, Inc. 1-800-255-3924

Note: This product is labeled as a consumer product in accordance with the United States Consumer Product Safety Commission regulations. The warnings presented below in this Safety Data Sheet (SDS) comply with the 2012 OSHA Hazard Communications Standard (GHS – Globally Harmonized System of Classification and Labeling). The requirements for the labeling and warnings of consumer products may differ from those required for GHS based hazard communication.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Liquid
Color	Red
Odor	Orange/Citrus (Slight)

GHS Classification

Classification of the product is in accordance with 29CFR 1910.1200

Acute toxicity – Oral	Category 4
Serious Eye damage/eye irritation	Category 2A
Respiratory Sensitization	Category 1
Skin sensitization	Category 1

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GHS Label Element

Hazard Pictograms



- Hazard Statement :
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
 - May cause an allergic skin reaction
 - Causes eye irritation
 - May be harmful if swallowed

Precautionary Statements – Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Wear eye/face protection. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling.

Precautionary Statements – Response

Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
Skin	IF ON SKIN: Gently wash with plenty of soap and water
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	If SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements - Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements – Disposal

Dispose of unused product and container in accordance with all applicable local and regional requirements.

Potential Health Effects

Carcinogenicity:

- IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known carcinogen or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous Components – Proprietary Compound

Chemical Name	CAS-No.	Concentration [+/- %]
Water	7732-18-5	N/A
Viable Bacteria Cultures	Not Applicable	N/A
Proprietary Mix of Enzymes	Not Applicable	N/A

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- General advice** : Do not leave the victim unattended
- If inhaled** : Move to fresh air.
If symptoms persist, call a physician
- In case of skin contact** : In case of contact, immediately flush skin with soap and plenty of water.
Take off contaminated clothing and shoes immediately.
Get medical attention if irritation develops and persists.
Wash contaminated clothing before re-use.
- In case of eye contact** : Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes.
Remove contact lenses, if possible.
If eye irritation persists, consult a specialist.
- If swallowed** : Clean mouth with water and afterwards drink plenty of water.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Main Symptoms Most important symptoms and effects, both acute and delayed.

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Aside from the information found under Description of first aid measures (above) and indication of immediate medical attention and special treatment needed (below), no additional symptoms and effects are anticipated.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- Specific hazards during firefighting** : May cause allergic respiratory reaction.

- Hazardous combustion products** : Carbon dioxide (CO₂)
Carbon monoxide
Smoke

- Special protective equipment for firefighters** : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.
Ensure adequate ventilation.
Refer to protective measures listed in sections 7 and 8.

- Environmental precautions** : Prevent product from entering storm drains.
If the product is spilled in quantities that could potentially reach a storm drain, precautions need to be taken to protect any run off into the storm drain(s). Any excess spilled material that could potentially reach a storm drain needs to be absorbed and disposed of properly.

- Methods and materials for containment and cleaning up** : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling** : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Avoid contact with skin and eyes.
Avoid exposure – obtain special instructions before use.
- Conditions for safe storage** : Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid** : Keep away from oxidizing agents and strongly acid or alkaline materials.
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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

- Respiratory protection** : No personal respiratory protective equipment under normal use required.
- Eye protection** : Safety glasses
- Skin and body protection** : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures** : General industrial hygiene practice.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: Opaque, Red
Odor	: Orange / Citrus (Slight)
Odor Threshold	: None
pH	: 6.5 – 7.2
Freezing point	: 32 °F
Boiling point	: > 250 °C (> 482 °F) <i>Calculated Decomposes before boiling</i>
Flash point – Closed Cup	: 247 °C (477 °F) <i>ASTM D93</i>
Flash point – Open Cup	: 292 °C (540 °F) <i>ASTM D92</i>
Evaporation rate	: > 1 (Butyl Acetate = 1)
Vapor pressure	: < 0.01 mmHg @ 20 °C <i>Calculated</i>
Relative vapor density	: > 1 <i>Calculated (air = 1)</i>
Solubility(ies)	: 100%
Water Solubility	: Completely soluble
Auto-ignition temperature	: 477 °F <i>ASTM D93</i>
Thermal decomposition	: None

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
Chemical stability	: Stable under normal conditions
Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned.

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Conditions to avoid	:	Stable under normal conditions. Excessive temperature variations below 32 °F or above 155 °F
Hazardous decomposition products	:	Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Chronic Effects

This product is not classified as a carcinogen by OSHA, IARC, ACGIH or NTP. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This product does not contain known reproductive or developmental toxins. Prolonged or repeated exposure can cause drying or dermatitis of skin. Improper storage and handling may lead to the formation of a possible skin sensitizer.

Information on likely routes of exposure

Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Ingestion may cause stomach discomfort.
Acute Oral Toxicity	: Acute toxicity estimate: 2,340 mg/kg Method: Calculation method
Acute Dermal Toxicity	: Acute toxicity estimate: 5,000 mg/kg Method: Calculation method

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause sensitization of susceptible persons
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ACUTE TOXICITY

Acute Oral Toxicity	: LD50 (rat) : 4,400 mg/kg Assessment: The component/mixture is low toxic after single ingestion
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SKIN CORROSION / IRRITATION

Product:

Remarks: May cause skin irritation and/or dermatitis.

Species: rabbit

Result: Irritating to skin.

Species: guinea pig

Result: mild skin irritation

SERIOUS EYE DAMAGE / EYE IRRITATION

Product:

Remarks: Irritating to eyes.

RESPIRATORY OR SKIN SENSITIZATION

Test type: lymph node assay

Species: mouse

Result: May cause sensitization by skin contact.

Assessment: The product is a skin sensitizer, sub-category 1B.

Result: The product is a skin sensitizer, sub-category 1B.

GERM CELL MUTAGENICITY

Genotoxicity in vitro : Test type: Mamalian cell gene mutation assay
Test species: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test type: DNA damage and/or repair
Test species: rat
Cell type: Kidney cells
Application Route: oral
Result: negative

Germ cell mutagenicity : Test on bacterial or mammalian cell cultures did not show
– Assessment mutagenic effects.

CARCINOGENICITY

Carcinogenicity – Assessment : No evidence of carcinogenicity in animal studies.

REPRODUCTIVE TOXICITY

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Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: A spill may produce toxicity to aquatic organisms and ecosystems. Therefore, it is recommended to contain spills and dispose of properly as outlined in Section 13.

Persistence/Degradability: Product is expected to be readily biodegradable.

Bioaccumulation/Accumulation: No appreciable bioconcentration is expected in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste disposal method : Dispose of contents/container in accordance with local regulations.
- Contaminated Packaging : Dispose of wastes in an approved waste disposal facility.
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SECTION 14. TRANSPORT INFORMATION

International regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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National Regulations

49 CFR

Not regulated as a dangerous good

Special precautions for user

See Section 8.

SECTION 15. REGULATORY INFORMATION

EPCRA – Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

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

The components of this product are reported in the following inventories:

TSCA	On TSCA Inventory
DSL	All components of this product are on the Canadian DSL.
AICS	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory

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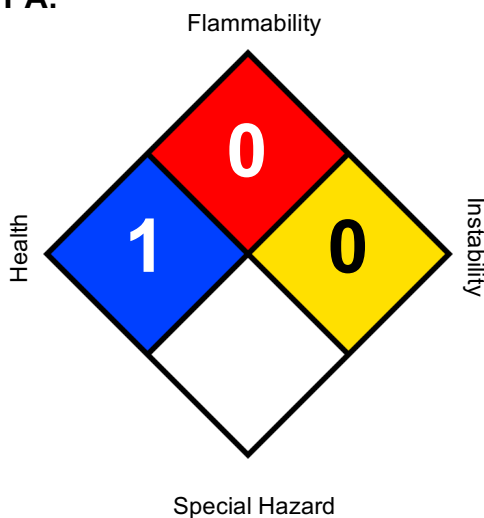
Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IESCS (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1= slight
2= moderate, 3 = high
4= extreme, * = chronic

OSHA GHS Label Information:

Hazard Pictograms :



Hazard Statement :

- : May cause allergy or asthma symptoms or breathing difficulties if inhaled
- : May cause an allergic skin reaction
- : Causes eye irritation
- : May be harmful if swallowed

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own

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investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting the manufacturer, supplier or distributor.