

Material Safety Data Sheet



Section 1. Product and Company Identification

Product Name: NUTRA-SOL TANK CLEANER

Product Code: BUI/TANKNUTRASOL

Manufacturer Information: Becker Underwood, Inc.
801 Dayton Avenue
Ames, Iowa 50010
Information Phone: (515) 232-5907
Emergency Phone: Chemtrec (800) 424-9300 or 703 527 3887 (international)

Hazardous Material Information System:

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	X

Section 2. Ingredients and Hazards Identification

Emergency Overview: This product contains significant amounts of Sodium Carbonate. May irritate skin and eyes. Dusts may irritate respiratory tract. Not expected to be toxic to the environment, nor to aquatic organisms. Avoid simultaneous exposure to sodium carbonate and lime dust. In the presence of moisture (i.e. perspiration) the two materials combine to form caustic soda (NaOH), which may cause burns.

Potential Acute Health Effects:

- Eyes:* Short term harmful effects are not expected.
- Skin:* Short term harmful effects are not expected. . Prolonged contact may cause skin irritation (red, dry, cracked skin).
- Inhalation:* Short term harmful effects are not expected. However, exposure to dust may cause coughing or wheezing when inhaled. Prolonged inhalation of dust may irritate nose, throat, and lungs.
- Ingestion:* Not an intended route of exposure. Short term harmful effects are not expected. However, may upset the gastrointestinal tract.
- Chronic Effects:* Excessive, long term contact may produce “soda ulcers” on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.

Section 3. Composition/Information on Ingredients

The composition of this material is a trade secret and contains no other components or impurities which will influence the classification with regard to human and environmental risk assessment.

Section 4. First Aid Measures

- Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Prolonged or repeated contact may result in mechanical irritation.
- Skin Contact:** Wash with soap and water.
- Inhalation:** Move to fresh air. Seek medical attention if irritation develops.
- Ingestion:** Unless advised otherwise, dilute with water or milk. Do not induce vomiting. Seek medical attention.

Section 5. Fire Fighting Measures

Flammability of Product: Not a fire or explosion hazard when stored under normal conditions. Explosion is possible when product is finely dispersed in air.

Fire Fighting Media: Foam, alcohol foam, CO₂, dry chemical, water fog.

Protective Clothing: No special procedures required besides standard fire fighting procedures.

Section 6. Accidental Release Measures

Clean-Up Procedures: Ventilate the area. Vacuum or use wet clean-up techniques and place in properly labeled and closed container. Dispose of collected material according to federal, state/provincial and local environmental regulations.

Spills and Leaks: Contain the spill to prevent discharges to surface streams or storm sewers.

Section 7. Handling and Storage

Handling: Avoid breathing dust. Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin.

Storage: Keep container in a cool, dry place away from acids. Keep containers sealed until ready for use. Prolonged storage may cause product to cake from atmospheric moisture.

Section 8. Exposure Control/Personal Protection

Hazardous Components		Occupational Exposure Limits		
Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent
Sodium Carbonate	497-19-8	15 mg/m ³ (total dust) 5 mg/m ³ (resp fraction)	10 mg/m ³ (total dust)	< 100%

Engineering controls: General mechanical ventilation can be expected to effectively remove and prevent build up of any dust generated from handling this product in a closed environment.

Personal Protection:

Eyes: Wear safety glasses. Have an eye wash station available.

Body: To prevent skin contact wear coveralls, apron, boots, or lab coat.

Hands: Avoid skin contact by using gloves.

Respiratory: No respiratory protection required under normal conditions of use. Use local exhaust to control excessive dust. If excessive dust persists, use appropriate NIOSH/MSHA approved respirator. Observe OSHA Permissible Exposure Limits for nuisance dust.

Other: Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

Section 9. Physical and Chemical Properties

Odor	No odor	Vapor Density	NA
Color	White	Evaporation Rate	NA
Physical state	Powder	Specific Gravity (H₂O = 1)	NA
pH	NA	Solubility	Water soluble
Melting/Freezing Point	NA		

Section 10. Stability and Reactivity

Chemical Stability:	This material is chemically stable under normal storage and handling conditions.
Hazardous Decomposition:	When involved in a fire, burning may evolve noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, acetic acid, or other toxic compounds depending on the chemical composition and combustion conditions.
Hazardous Polymerization:	Is not known to occur.
Incompatibility (Materials to Avoid):	Long term storage in direct contact with reactive metals such as aluminum, zinc, copper, nickel, magnesium, etc. Other materials to avoid include strong oxidizing agents.

Section 11. Toxicological Information

Chronic Toxicity:	None known
Mutagenic Effects:	None known
Teratogenic Effects:	None known
Developmental Toxicity:	None known
Acute Effects on Humans:	May cause skin, eye, and respiratory irritation.
Sensitization:	None known
Carcinogenic Effects:	No components > 0.1% are listed as carcinogens or suspected carcinogens.
Existing Medical Conditions Aggravated By Exposure:	May provoke asthmatic response in persons with asthma who are sensitive to airway irritants.

Section 12. Ecological Information

Ecotoxicity:	No data available, however the material is not expected to have any deleterious toxic effect.
Environmental Fate:	No data available regarding the environmental fate or biodegradation.

Section 13. Disposal Considerations

EPA Waste Number:	Non-hazardous waste
Treatment:	Dispose of according to all federal, state/provincial and local environmental regulations.

Section 14. Transport Information

D.O.T. Classification:	Not regulated
IMO/IMDG Classification:	Not regulated
IATA Classification:	Not regulated

Section 15. Regulatory Information

US Federal Regulations:

TSCA Toxic Substances Control Act	All ingredients are listed or exempt from the requirement.
SARA Superfund Amendment and Reauthorization Act	
EPCRA Emergency Planning & Community Right-to-Know Act	
Section 302 Extremely Hazardous Substances	None of the chemicals in this product are listed.
Section 311 and 312 Hazards	<i>Acute:</i> Yes <i>Chronic:</i> No <i>Fire:</i> No <i>Pressure:</i> No <i>Reactive:</i> No
Section 313 Toxic Chemical Release Inventory	No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present.
CERCLA Hazardous substances	None of the chemicals in this product have an RQ.
Clean Air Act	This material does not contain any hazardous air pollutants, nor any Class 1, 2 ozone depleters.
Clean Water Act	None of the chemicals in this product are listed as Hazardous Substances, Priority or Toxic Pollutants under the CWA.
California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List:	No ingredient in this product is known to the state of California to cause cancer or birth defects.

Section 16. Other Information

Hazardous Material Information System:

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	X

Revision:	3
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