



SAFETY DATA SHEET

DETERGENT CONCENTRATE

Section 1: Identification

Product Name: DETERGENT CONCENTRATE
Chemical Name/Synonyms: Not applicable
Recommended use: Commercial dishwasher detergent
Restricted use: For use in commercial dishwasher. Not for household use.
Company: Active Element
2819 Southwest Boulevard
Kansas City, MO 64108
1-816-561-5377

In emergency call 911.

For information about this SDS, use this department contact phone#: 1-816-561-5377

Section 2: Hazard(s) Identification

GHS Classification:

Skin corrosive: Category 1A
Serious eye damage: Category 1

GHS Labeling:

Hazard Pictograms:



Signal Word(s): Danger

Hazard Statements: H314- Causes severe skin burns and eye damage

Precautionary Statements:

Prevention:

Do not breathe dust, vapors. Wash exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection

Response: IF SWALLOWED: Rinse mouth. Do not induce vomiting. **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **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.

Storage: Store locked up

Disposal: Dispose of contents/ container to an approved waste disposal site.

Other Hazards: None known.

Section 3: Composition/ Information on Ingredients

Substance type: Mixture

Chemical Name	Synonym	CAS#	Conc.
Chemical has been withheld as a trade secret.	Chemical has been withheld as a trade secret.	Chemical has been withheld as a trade secret.	70-80%
Chemical has been withheld as a trade secret.	Chemical has been withheld as a trade secret.	Chemical has been withheld as a trade secret.	10-15%
Nitrilotriacetic acid trisodium salt	Trisodium nitrilotriacetate monohydrate	18662-53-8	5-10%
Dye	None known	None Known	<.1%

Section 4: First-Aid Measures

After skin contact: Wipe off dry product from skin. Wash immediately with lots of water for at least 15 minutes. Use mild soap if available. Do not apply (chemical) neutralizing agents. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface >10% take victim to hospital.

After eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

After inhalation: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

After swallowing: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Protection of first-aiders: If potential to exposure exists refer to Section 8 for specific personal protective equipment.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Adapt extinguishing media to the environment for surrounding fires.

Unsuitable extinguishing agents: None Know.

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

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

Fire Hazards: DIRECT FIRE HAZARD. Non combustible. INDIRECT FIRE HAZARD: Reactions involving fire hazards.

Section 6: Accidental Release Measures

Personal precautions: Ensure adequate ventilation. Keep people away from upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Measures for environmental protection: Do not allow contact with soil, surface or ground water.

Measures for cleaning/collecting: Stop leak/spill if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Flush away traces with water.

Section 7: Handling and Storage

Handling: Avoid creating dust. Use only in the open/under exhaust/ventilation or with respiratory protection. Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe dust/fumes/mist/vapors/spray. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

Storage: Do not store near acids. Keep out of reach of children. Store in suitable labeled containers. Keep containers air tight. Keep locked up.

Section 8: Exposure Controls/Personal Protection

Ingredients with workplace control parameters

Chemical Name	OSHA PEL (TWA)	US IDHL (mg/m ³)	ACGIH Ceiling (mg/m ³)	NIOSH REL (mg/m ³)
Chemical has been withheld as a trade secret.	2 mg/m ³	10 mg/m ³	2 mg/m ³	2 mg/m ³

Engineering measures: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards

Personal Protective Equipment

Eye Protection: Wear eye/face protection.

Hand Protection: Standard gloves.

Gloves should be discarded and replaced if there is any indication of degradation.

Skin protection: Wear personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing.

Respiratory protection: When workers are facing concentrations above the exposure limit they must respiratory protection. Dust production: dust mask (filter type P3). High dust production: Self contained breathing respirator.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Section 9: Physical and Chemical Properties

Appearance: Solid

Color: Light pink

Odor: Odorless

Odor threshold: No data available.

pH: 14 (5%)

Melting point: 307 C

Boiling point/boiling range: No data available.

Flash point: No data available.

Evaporation rate: No data available.

Flammability: No data available.

Upper/lower flammability or explosive limits: No data available.

Auto ignition temperature: Not applicable.

Vapor pressure: < 0.1 hPa (20 C)

Vapor density: No data available.

Relative density: 1.96 (20 C)

Solubility in/Miscibility with water: Soluble in water

Viscosity, kinematic: 0.53 mm²/s (25 C, 1 mol/L)

Viscosity, dynamic: 0.997 mPa.s (25 C, Test data)

Molecular mass: No data available

Explosive properties: None

Oxidizing properties: None

Section 10: Stability and Reactivity

Reactivity: May be corrosive to some metals. Violently reacts with strong acids.

Chemical stability: Stable under conditions of normal use. Hygroscopic material. Absorbs moisture from air.

Conditions to avoid: Exposure to air before mixing.

Incompatible materials: Strong acids. Some metals.

Hazardous decomposition products: Carbon oxide, oxides of phosphorous

Section 11: Toxicological Information

Information on likely routes of exposure: Inhalation, eye contact, skin contact

Potential routes of exposure/potential health effects

Skin: Causes severe skin burns

Eye: Causes serious eye damage

Inhalation: May cause nose, throat, and lung irritation.

Ingestion: Causes digestive tract burns.

Chronic Exposure: Health injuries are not known or expected under normal use.

Carcinogenic effects: No data available.

Experience with human exposure

Eye contact: Redness, pain, corrosion

Skin contact: Redness, pain, corrosion

Ingestion: Corrosion, abdominal pain

Inhalation: Respiratory irritation, cough

Toxicity

Acute oral toxicity: No data available.

Acute inhalation toxicity: No data available.

Acute dermal toxicity: No data available

Skin corrosion/irritation: No data available.

Serious eye damage/eye irritation: No data available.

Respiratory or skin sensitization: No data available.

Carcinogenicity: No data available.

Reproductive effects: No data available.

Germ cell mutagenicity: No data available.

Teratogenicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration toxicity: No data available.

Section 12: Ecological Information

Environmental Effects: This product has no known ecotoxicological effects.

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to fish: No data available. Toxicity to daphnia and other aquatic invertebrates

Toxicity to algae: No data available

Ecotoxicity: No data available.

Mobility in soil: No data available.

Bioaccumulation: Not bioaccumulative.

Section 13: Disposal Considerations

Disposal methods: Dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. Do not discharge into drains or the environment.

Disposal Considerations: Dispose of in accordance with local, state and federal regulations.

Section 14: Transport Information (non-mandatory)

Department of Transportation (DOT)

UN Number: UN 3262
Description of goods: Corrosive Solid, basic, inorganic, n.o.s.
Class: Class 8
Packing Group: II
Environmentally hazardous: no

Sea Transport (IMDG/IMO)

UN Number: UN 3262
Description of goods: Corrosive Solid, basic, inorganic, n.o.s.
Class: 8
Packing Group: II
Marine pollutant: no

Air Transport ICAO0TI and IATA-DGR

Transport hazard classes: 8

Section 15: Regulatory Information (non-mandatory)

SARA Section 304 (extremely hazardous substances): This material does not contain any components with a section 304 EHS RQ.

SARA Section 311/312: Skin corrosion or irritation. Serious eye damage and irritation

Sara Section 302: This material does not contain any components within section 302 EHS TPQ

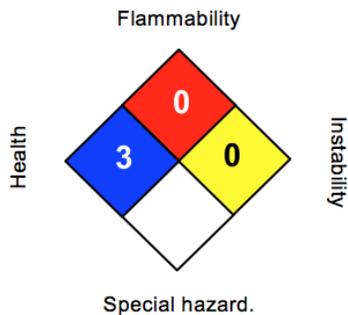
SARA Section 313 (specific toxic chemical listings): This material does not contain any components that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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 defects.

Section 16: Other Information

Revision date: 09/15/2019

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic