


**SAFETY DATA SHEET**

**Section 1 - Identification**

<b>Product Identifier</b>	TITAN Densifying Cleaner/Conditioner
<b>Other means of identification</b>	0565
<b>Recommended use</b>	Concrete Densifying Cleaner / Conditioner
<b>Recommended restrictions</b>	For commercial and industrial use only. This product is intended to be diluted prior to use.
<b>Manufacturer / Importer / Supplier / Distributor Information</b>	
<b>Company Name</b>	National Chemical Laboratories of PA, Inc.
<b>Address</b>	401 N. 10th Street - Philadelphia, PA 19123
<b>Telephone</b>	1 (215) 922-1200
<b>Supplier Email</b>	info@nclonline.com
<b>Contact</b>	CHEM-TEL
<b>Emergency Phone</b>	1 (800) 255-3924

**Section 2 - Hazard(s) Identification**

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

	<b>Classification</b>	<b>Category</b>
<b>Physical Hazards</b>	Not Classified	
<b>Health Hazards</b>	Serious eye damage/eye irritation	2
<b>OSHA defined hazards</b>	Not Classified.	
<b>Label Elements</b>		
<b>Hazard Symbol</b>		
<b>Signal Word</b>	Warning	
<b>Hazard Statement</b>	Causes serious eye irritation.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wash thoroughly after handling.	
<b>Response</b>	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.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	

**Section 3 - Composition/Information on ingredients**

<b>Mixture</b>			
<b>Hazardous Components</b>	<b>Ingredient Name</b>	<b>CAS #</b>	<b>%</b>
	Alcohol ethoxylate	68131-39-5	1 - 5
	Lithium silicate	12627-14-4	1 - 5
	Sodium dodecylbenzenesulfonate	25155-30-0	1 - 5

**Section 4 - First-aid Measures**

<b>Inhalation</b>	Move to fresh air. Get medical attention if symptoms occur.
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists
<b>Ingestion</b>	Rinse mouth thoroughly with water. Seek medical advice.
<b>Most important symptoms /effects, acute and delayed</b>	Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Indication of immediate medical attention and special treatment</b>	Treat symptomatically.

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**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 spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.  
**Unsuitable extinguishing media** None known.  
**Specific hazards arising from the chemical** None known.  
**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  
**Fire-fighting equipment /instructions** Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool.  
**General fire hazards** This product is not flammable or combustible.

## Section 6 - Accidental release measures

**Personal precautions, protective equipment and emergency procedures.** Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.  
**Methods and materials for containment and cleaning up** SMALL SPILLAGE: Absorb spillage with suitable absorbent material.  
LARGE SPILLS: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.  
**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

## Section 7 - Handling and storage

**Precautions for safe handling** Avoid contact with eyes. Wash thoroughly after handling. Use Personal Protective Equipment recommended in section 8 of the SDS.  
**Conditions for safe storage, including any incompatibilities** Store away from incompatible materials. Keep container closed.

## Section 8 - Exposure control/personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).  
**Biological limit values** No biological exposure limits noted for the ingredient(s).  
**Exposure guidelines** Use personal protective equipment as required. Keep working clothes separately.  
**Appropriate engineering controls** Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Provide easy access to water supply and eye wash facilities.  
**Individual protection measures, such as personal protective equipment**  
**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin protection**  
**Hand protection** Use personal protective equipment as required. Keep working clothes separately.  
**Other** Wear appropriate chemical resistant clothing.  
**Respiratory protection** In case of inadequate ventilation, use respiratory protection.  
**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.  
**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**  
**Physical state** Liquid.  
**Form** Clear, thin liquid.  
**Color** Colorless.  
**Odor** Odorless.  
**Odor threshold** Not available.  
**pH** 10.8  
**Melting point/freezing point** Not available.  
**Initial boiling point and boiling range** 212 °F (100 °C)  
**Flash point** > 212.0 °F (> 100.0 °C)  
**Evaporation rate** Not available.  
**Flammability (solid, gas)** Not available.  
**Upper/lower flammability or explosive limits**  
**Flammability limit - lower (%)** Not available.  
**Flammability limit - upper (%)** Not available.  
**Explosive limit - lower (%)** Not available.

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Explosive limit - upper (%)	Not available.
Vapor pressure	Similar to water.
Vapor density	Similar to water.
Relative density	1.01 ± 0.01
Relative density temperature	75 °F (23.89 °C)
Solubilities	100 % Soluble.
Partition Coefficient n-octanol/water	Not available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	<10 cps
Viscosity Temperature	75 °F (23.89 °C)

## Section 10 - Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon Oxides

## Section 11 - Toxicological information

### Information on likely routes of exposure

Ingestion	May be harmful if swallowed.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Eye contact	Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Causes serious eye irritation with redness, tearing and pain. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

### Information on toxicological effects.

Acute toxicity	Not expected to be hazardous.
Skin corrosion/irritation	Prolonged or repeated contact may dry skin and cause irritation.
Serious eye damage/ eye irritation	Causes serious eye irritation.
Respiratory sensitization	Not classified.
Skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not available.

## Section 12 - Ecological Information

**Ecotoxicity** The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### Component(s)

Sodium dodecylbenzenesulfonate, 25155-30-0

### Aquatic

Acute	Crustacea	EC50	Water flea (Ceriodaphnia dubia)	3.26-14.51 mg/l , 48 hrs.
	Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	3.2-5.6 mg/l, 96 hrs.

Alcohol ethoxylate, 68131-39-5

### Aquatic

Acute	Crustacea	EC50	Water flea (Ceriodaphnia dubia)	0.37 - 0.43 mg/l, 48 hours
	Crustacea	EC50	Water flea (Daphnia magna)	0.39 -0.56 mg/l, 48 hours
	Fish	LC 50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.775 - 1.3 mg/l, 96 hours

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Fish	LC50	Flathead minnow ( <i>Pimephales promelas</i> )	0.72 -2.7 mg/l, 96 hours
<b>Persistence and degradability</b>	The product is expected to be biodegradable.		
<b>Bioaccumulative potential</b>	Potential to bioaccumulate is low.		
<b>Partition coefficient n-octanol / water log (Kow)</b>			
Components	Results		
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	0.45		
<b>Mobility in soil</b>	Expected to be highly mobile in soil.		
<b>Mobility in general</b>	The product is water soluble and may spread in water systems.		
<b>Other adverse effects</b>	None known.		

## Section 13 - Disposal considerations

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Dispose in accordance with all applicable regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14 - Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code</b>	This substance/mixture is not intended to be transported in bulk.

## Section 15 - Regulatory Information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
<b>TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)</b>	Not regulated.	
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed.	
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>		
Components	Result	
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	LISTED	
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>		
<b>Hazard Categories</b>	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	No
<b>SARA 302 Extremely hazardous substance</b>	Not listed.	
<b>SARA 311/312 Hazardous chemical</b>	Yes	
<b>SARA 313 (TRI reporting)</b>	Not regulated.	
<b>Other federal regulations</b>		
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List</b>	Not regulated.	
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.	
<b>Safe Drinking Water Act (SDWA)</b>		
<b>Food and Drug Administration (FDA)</b>	Not regulated.	
<b>US state regulations</b>		
<b>US.Massachusetts RTK - Substance List</b>	Components	
	Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	
<b>US.New Jersey Worker and Community Right-to-Know Act</b>	Components	
	Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	
<b>US.Pennsylvania RTK - Hazardous Substances</b>	Components	
	Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	
<b>US.Rhode Island RTK</b>	Components	
	Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	
<b>US - California Proposition 65</b>	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Not listed.	
<b>International Inventories</b>		
<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

\*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### Section 16 - Other information, including date of preparation or last version

Issue date	10/9/2015
Version #	01
Further information	LD50: Lethal Dose, 50%. LC50: Lethal Concentration, 50%. EC50: Effective concentration, 50%.
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