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Version 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product name** Cynamic Pivot

**Other means of identification**

**Product Code** X000888

**UN/ID No** UN3082

**Document** 000888CG1-4/ 000888CG2.5/ 000888CG5/ 000888CG15/ 000888CG55

**Recommended use of the chemical and restrictions on use**

**Recommended use** Premium Laundry Detergent

**Details of the supplier of the safety data sheet**

**Distributor**

Cynamic Chemical  
1472 Louis Bork Drive  
Batavia, IL 60510

**Emergency telephone number**

**24 Hour Emergency Phone Number** INFOTRAC 1-800-535-5053 (North America)

1-352-323-3500 (INTERNATIONAL)

**Company Phone Number** 630-761-8770

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 2A

**Label elements**

**Emergency Overview**

**Warning**

**Hazard Statements**

Causes serious eye irritation



**Appearance** Transparent

**Physical state** Liquid

**Odor** Citrus

**Precautionary Statements - Prevention**

Was f a k a n d a n y e x p o s e s k t i o u g h l a f h a n d l i n g n

W e a e y e f p r o t e c t i o

**Precautionary Statements - Response**

- IF exposed or concerned: Get medical advice/attention
- 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
- IF ON SKIN: Wash with plenty of soap and water
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place

**Precautionary Statements - Disposal**

Dispose of contents/container to approved disposal facility

**Hazards not otherwise classified (HNOC)****Other information**

- Harmful to aquatic life with long lasting effects
- Unknown Acute Toxicity 22.775% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight-%	Trade Secret
Alcohols, C12-16, ethoxylated	68551-12-2	15% - 25%	*
Tetrasodium EDTA	64-02-8	1% - 1.5%	*

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

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Flush immediately with plenty of water. If irritation develops, get medical attention.
<b>Skin contact</b>	Flush immediately with plenty of water. If irritation develops, get medical attention. Remove and wash contaminated clothing before re-use.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.
<b>Protection of First-aiders</b>	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Hazardous Combustion Products** Carbon monoxide.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** Prevent large spills from entering waterways or confined areas. This product can be safely flushed into a sanitary sewer that leads to a wastewater treatment plant. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Mop up & flush to sanitary sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** KEEP OUT OF REACH OF CHILDREN. Keep away from heat, sparks and open flame. No smoking. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.  
**Appropriate engineering controls**

**Engineering Measures** Ensure adequate ventilation and that running water is available for washing eyes and skin  
**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection** Splash-proof chemical goggles or face shield.
- Skin and body protection** Rubber gloves.
- Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene measures** Do not eat, drink or smoke when using this product. Practice good personal hygiene. Wash after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Citrus
<b>Appearance</b>	Transparent	<b>Odor Threshold</b>	No information available
<b>Color</b>	Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	9 +/- 0.5	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	> 100 °C / > 212 °F	Estimated
<b>Flash Point</b>	No information available	
<b>Evaporation rate</b>	About the same as water	Similar to water
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	No information available	
<b>Vapor pressure</b>	NE	
<b>Vapor density</b>	NE	
<b>Specific Gravity</b>	1.040 +/- 0.005	
<b>Water solubility</b>	Completely soluble.	Completely soluble.
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	No information available	
<b>Viscosity, dynamic</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

Other information

<b>Softening point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content(%)</b>	< 1%
<b>Density VALUE</b>	No information available
<b>Bulk Density VALUE</b>	No information available

**10. STABILITY AND REACTIVITY**

**Chemical stability**  
 Stable under recommended storage conditions.

**Possibility of hazardous reactions**  
 None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

May emit toxic fumes under fire conditions. Carbon monoxide (CO). Sulfur oxides.

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

<b>Product Information</b>	Causes serious eye irritation
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of the respiratory system.
<b>Eye contact</b>	Severely irritating to eyes.
<b>Skin contact</b>	Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Alcohols, C12-16, ethoxylated 68551-12-2	2000 mg/kg (Rat)	-	-
Tetrasodium EDTA 64-02-8	= 1658 mg/kg ( Rat ) = 10 g/kg ( Rat )	-	-

Information on toxicological effects

**Symptoms** No information available.

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

<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	No known effect based on information supplied.
<b>Aspiration hazard</b>	No information available.

Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 22.775% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**  
**ATEmix (oral)** 17712 mg/kg

**12. ECOLOGICAL INFORMATION**

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity

24.775% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	-

**Persistence and degradability**

Product is biodegradable.

**Bioaccumulation**

Not likely to bioaccumulate.

**Mobility**

Will likely be mobile in the environment due to its water solubility but will likely degrade over time.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment****Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. After this product is diluted for use according to the label directions, it may be safely flushed to a sanitary sewer.

**Contaminated packaging**

Do not reuse container.

**14. TRANSPORT INFORMATION****DOT****UN/ID No**

Regulated

**Proper shipping name**

UN3082

**Hazard class**

Environmentally hazardous substance, liquid, n.o.s (Alcohol C12-C16 poly (1-6) ethoxylate)

**Subsidiary Class**

9

**Packing Group**

9.1

**Marine Pollutant**

III

**Emergency Response Guide**

This product contains a chemical which is listed as a marine pollutant according to DOT.

**Number**

171

**TDG****15. REGULATORY INFORMATION****International Inventories****TSCA**

Complies

**DSL/NDSL**

Complies

**EINECS/ELINCS**

Complies

**ENCS**

-

**IECSC**

Complies

**KECL**

Complies

**PICCS**

Complies

**AICS**

Complies

**Legend:**

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product contains substances regulated by state right-to-know regulations.

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and chemical hazards</b> -
<b>HMIS</b>	<b>Health hazard</b> 1	<b>Flammability</b> 0	<b>Physical Hazards</b> 0	<b>Personal protection</b> X

**Prepared By** Cynamic Chemical  
1472 Louis Bork Drive  
Batavia, IL 60510

**Issuing date** 14-Aug-2012  
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**Revision Note**

2

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.