



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

**Product identifier**

**Product name** Cynamic Free N Easy

**Other means of identification**

**Product Code** X007430  
**UN/ID No** UN3266  
**Document** 007430CG1-4/ 007430CG5/ 007430CG55

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

**Recommended use** No Rinse Floor Stripper

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

**Distributor**

Cynamic Chemical  
 1472 Louis Bork Drive  
 Batavia, IL 60510

**Emergency telephone number** INFOTRAC: 1-800-535-5053 (NORTH AMERICA)

**Company Phone Number** 1-352-323-3500 (INTERNATIONAL)  
 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)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 3

**Label elements**

**Emergency Overview**

**Danger**

**Hazard Statements**

Harmful if swallowed  
 Causes skin irritation  
 Causes serious eye damage  
 May cause respiratory irritation. May cause drowsiness or dizziness  
 Flammable liquid and vapor





**First aid measures for different exposure routes**

<b>General advice</b>	Immediate medical attention is required.
<b>Eye contact</b>	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. GET IMMEDIATE MEDICAL ATTENTION.
<b>Skin contact</b>	Wash with water for 10-15 minutes. Remove contaminated clothing. Consult a physician.
<b>Inhalation</b>	If qualified give oxygen or artificial respiration as needed.
<b>Ingestion</b>	DO NOT induce vomiting. Give large amounts of water if victim is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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

<b>Main Symptoms</b>	The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11.
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**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Notes to physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Alcohol-resistant foam.

**Unsuitable Extinguishing Media** This product contains alcohols which will reduce the effectiveness of normal foam. Use alcohol-resistant foam instead.

**Specific hazards arising from the chemical**

No information available.

**Hazardous Combustion Products** Flammable hydrogen gas will be liberated upon contact with various metals. Ammonia. Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>).

**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. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing in spray mist or vapors.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Neutralization is normally necessary before waste water is discharged into water treatment plants. 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** Contain spill. Neutralize with mild acid. Flush with large quantities of water.

**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. Do not eat, drink or smoke when using this product. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation.

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

**Technical measures/Storage conditions** Keep container closed when not in use. Store in a cool, well-ventilated area. Avoid overheating or freezing. Wash thoroughly after handling. Keep out of reach of children. Spilled material is slippery.

**Incompatible products** Acids. Oxidizing agents. Prolonged contact with metals such as zinc, magnesium, aluminum and galvanized metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m <sup>3</sup>	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>
Dipropylene glycol monomethyl ether 34590-94-8	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m <sup>3</sup> S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m <sup>3</sup> STEL: 150 ppm STEL: 900 mg/m <sup>3</sup>
Sodium hydroxide 1310-73-2	-	TWA: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers or an equivalent method of decontamination are close to the work location.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Splash-proof chemical goggles or face shield.  
**Skin and body protection** Impervious rubber, alkali-proof protective gloves. Impervious rubber boots & apron..

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**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>	Glycol ether
<b>Appearance</b>	Transparent	<b>Odor Threshold</b>	No information available
<b>Color</b>	Colorless		
<b>Property</b>	<b>Values</b>	<b>Remarks • Methods</b>	
<b>pH</b>	13.2 +/- 0.3		
<b>Melting/freezing point</b>	No information available		
<b>Boiling point/boiling range</b>	100 °C 212 °F	Estimated	
<b>Flash Point</b>	43 °C / 109 °F	TCC	
<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>Relative density</b>	0.977 +/- 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>	N/A
<b>Molecular Weight</b>	N/A
<b>VOC Content(%)</b>	< 40%
<b>Density VALUE</b>	N/A
<b>Bulk Density VALUE</b>	N/A

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible Materials**

Acids. Oxidizing agents. Prolonged contact with metals such as zinc, magnesium, aluminum and galvanized metals.

**Hazardous Decomposition Products**

If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	Harmful if swallowed Causes skin irritation Causes serious eye damage May cause respiratory irritation May cause drowsiness or dizziness
<b>Inhalation</b>	May cause central nervous system depression with nausea, headache, dizziness, and incoordination. May cause irritation of respiratory tract.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin contact</b>	Contact causes severe skin irritation and possible burns.
<b>Ingestion</b>	Severe irritation of the gastrointestinal tract, causing vomiting, nausea and burns.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Isopropyl alcohol 67-63-0	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h
Ethanolamine 141-43-5	= 1720 mg/kg ( Rat )	= 1000 mg/kg ( Rabbit ) = 1 mL/kg ( Rabbit )	-
Dipropylene glycol monomethyl ether 34590-94-8	= 5230 mg/kg ( Rat )	= 9500 mg/kg ( Rabbit )	-
Sodium hydroxide 1310-73-2	140 mg/kg (Rat)	= 1350 mg/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3	-	-
Isopropyl alcohol 67-63-0	-	Group 3	-	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive toxicity** No information available.  
**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** No information available. Avoid repeated exposure.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 2.3% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

<b>Oral LD50</b>	1,854.00 mg/kg
<b>Dermal LD50</b>	3,636.00 mg/kg
<b>Mist</b>	5.10 mg/l
<b>Vapor</b>	1,948.00 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

2.3% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-Butoxyethanol 111-76-2	-	1490: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 2950: 96 h <i>Lepomis macrochirus</i> mg/L LC50	1698 - 1940: 24 h <i>Daphnia magna</i> mg/L EC50 >1000: 48 h <i>Daphnia magna</i> mg/L EC50
Isopropyl alcohol 67-63-0	1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50 9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	13299: 48 h <i>Daphnia magna</i> mg/L EC50
Ethanolamine 141-43-5	15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	65: 48 h <i>Daphnia magna</i> mg/L EC50
Dipropylene glycol monomethyl ether 34590-94-8	-	10000: 96 h <i>Pimephales promelas</i> mg/L LC50 static	-
Sodium hydroxide 1310-73-2	-	45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	-

#### **Persistence and degradability**

No information available.

#### **Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
2-Butoxyethanol 111-76-2	0.81
Isopropyl alcohol 67-63-0	0.05
Ethanolamine 141-43-5	-1.91
Dipropylene glycol monomethyl ether 34590-94-8	-0.064

#### **Other adverse effects**

No information available

### 13. DISPOSAL CONSIDERATIONS

#### **Waste treatment**

#### **Waste Disposal Methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Isopropyl alcohol 67-63-0	Toxic Ignitable
Sodium hydroxide 1310-73-2	Toxic Corrosive

### 14. TRANSPORT INFORMATION

<b>DOT</b>	Regulated
<b>UN/ID No</b>	UN3266
<b>Proper shipping name</b>	Corrosive Liquid, Basic, Inorganic, n.o.s., (Contains Monoethanolamine, Sodium Hydroxide)
<b>Hazard class</b>	8
<b>Packing Group</b>	III
<b>Emergency Response Guide Number</b>	154

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Does not Comply
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	1.0
Isopropyl alcohol - 67-63-0	1.0

**SARA 311/312 Hazard Categories**

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

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb	-	-	X



**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):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**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.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol 111-76-2	X	X	X
Isopropyl alcohol 67-63-0	X	X	X
Ethanolamine 141-43-5	X	X	X
Dipropylene glycol monomethyl ether 34590-94-8	X	-	X
Sodium hydroxide 1310-73-2	X	X	X

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 2</b>	<b>Flammability 2</b>	<b>Instability 0</b>	<b>Physical and chemical hazards COR</b>
<b>HMIS</b>	<b>Health hazard 2</b>	<b>Flammability 2</b>	<b>Physical hazards 0</b>	<b>Personal protection X</b>

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

**Issuing date**  
**Issue Date** 02-Sep-2016  
**Issue Note**  
1

**Disclaimer**

The information provided in this 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.

**End of Safety Data Sheet**