



Safety Data Sheet - according to: 1907/2006 EC (REACH), 1272/2008/EC (CLP), GHS ST\_SG\_AC10\_30\_Rev7e

## Section 1 - Identification

**Product Identifier:** DYNA COOL CLEAN HD

**Supplier:** Professional Series, LLC.

**Supplier Phone:** (215) 234-3085

**Supplier Address:** 375 Ivyland Road, Suite 8  
Warminster, PA 18974

**Formula Number** 5424

**In Case of Spills or Medical Emergency:**

24 HRS, 7 DAYS

**Intended Use** Industrial or Automotive Commercial Uses Only. Not for general household use.

**North American Shipments:** 1-800-424-9300 or  
1-703-527-3887  
(CHEMTREC)

**Uses To Avoid** Applications that generate fluid mist in air above threshold values shown below in Section 8.

**International Shipments:** (215) 234-3085

## Section 2 - Hazard Identification

**Signal Word:** DANGER

Other than flammability, no specific data exists for this mixture. Hazard classifications are calculated based on component information, according to GHS protocols for the relevant hazard.

**Hazard Classifications:**

**Substance Or Mixture** Mixture

Acute Toxicity Oral (Category 4), Eye damage/irritation (Category 1), Skin Corrosion/Irritation (Category 1),

**Hazard Statements based on component information:**

**HAZARDS:** Causes serious eye damage. Skin / eye contact causes severe skin burns / eye damage.

### Precautions:

Before opening container, put on chemical resistant eye protection, latex, nitrile, or neoprene gloves, and long sleeves on arms. Pour carefully to avoid splashing. Do not allow eye contact with gloved fingers. Never siphon fluid by mouth.

PICTOGRAMS:



**Other Hazards Not Resulting In Classification:** May be hazardous to soil dwelling organisms.

**Summary:** Read entire SDS prior to use. Observe all precautions. Use engineering controls to minimize human exposure to workplace chemicals.

### Section 3 - Composition / Information on Ingredients

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	CAS Number	% Range	
DISTILLED WATER	7732-18-5	60 - 100	Exact percentages and component identities are being withheld as trade secrets. Occupational Exposure Levels, Toxicity, and Ecological information on components is shown in Sections 8, 11, and 12 below. Users should read and understand the entire SDS. More specific information on components will be released to medical professionals in case of emergency.
ETHYLENEDIAMINETETRAACETICACID SODIUM SALT	10378-23-1	1 - 5	
MONOETHANOLAMINE	141-43-5	1 - 5	
ALKYL ETHER SURFACTANT	PROPRIETARY	< 1	
2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID	77-92-9	1 - 5	

### Section 4 - First Aid Measures:

First responders should wear clothing appropriate for industrial exposure in accordance with local codes. At a minimum, all exposed skin should be covered, and latex gloves and eye protection meeting ANSI Z87 or CSA Z94.3 should be worn. First responders should avoid contact with spilled material. Spills of this material present a slip hazard. If smoke, fumes, or airborne mist is present, first responders should use organics respirator or self contained breathing apparatus.

**IF SWALLOWED:** Get immediate medical attention. Call a poison control center.

**IF INHALED:** Remove affected person to fresh air and make comfortable for breathing. Get immediate medical attention.

**IF IN EYES:** Remove contact lenses and rinse eyes with cool water. Get immediate medical attention.

**IF ON SKIN:** Remove contaminated clothing. Wash immediately with soap and water. Get immediate medical attention.

**IF ON CLOTHES:** Do not allow skin contact with contaminated clothing. Remove contaminated clothing and wash before re-use.

**IF EXPOSED:** Contact physician if you feel unwell.

**Most Important Symptoms** ACUTE: Dermal /Respiratory irritation, vision effects. DELAYED: No symptoms expected.

**Indication of Immediate Medical Attention** Difficulty breathing, dizziness, extreme drowsiness, eye irritation, loss of vision, skin rash.

**Section 5 - Fire Fighting Measures:**

<b>Flash Point:</b>	<b>&gt;93C</b>
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**Hazardous  
Decomposition Products**

N/A Product Will Not Burn

**Appropriate  
Extinguishing Media**

Not applicable - product is water based and does not burn..

**Specific Fire Hazards**

Not applicable - product is water based and does not burn

**Special Protective Actions**

Not applicable - product is water based and does not burn.

**Section 6- Accidental Release Measures:****Personal Precautions**

Spills present a slip hazard. Remove unnecessary personnel from area around spill. Prior to cleaning up, don protective gear including chemical and hydrocarbon resistant outer layer, latex or rubber gloves, rubber boots, and eye protection. Emergency responders should wear chemical and hydrocarbon resistant gear.

**Environmental Precautions**

Small spills may be wiped up with rags. For spills >10 litres- if possible to safely do so, contain the spilled material using diatomaceous earth and/or absorbent pads. Dike drains and prevent material from entering sewers, ditches, drains, or water courses. Place absorbed material into sealed storage containers and consult an environmental expert for proper disposal measures. Immediately report any discharges that escape containment to the local environmental authority or fire department.

**Methods for Cleaning Up**

Absorption with diatomaceous earth and/or absorbent pads is best. Do not use vacuum. Do not wash hydrocarbon or chemical spills away into sewers or drains. Use proper disposal methods for spent absorbents and contaminated rags or clothing.

**Section 7- Storage and Handling:****Precautions for Handling**

Read and understand entire Safety Data Sheet prior to handling. Wear all appropriate protective gear listed in section 2 above prior to handling. Handle with care to avoid spillage.

**Methods for Safe Storage**

Store only in original containers. Store containers indoors away from heat and flames. Store in secure location with good ventilation. Keep container sealed when not transferring product. Protect from rain and extreme cold. Avoid storage of hydrocarbons near strong mineral acids or materials marked 'Oxidizer'.

## Section 8- Exposure Controls/Personal Protection:

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### Control Parameters

No exposure limits are established for this mixture. Users should use lowest exposure value shown for components in this section.

### Component Information - Occupational Exposure Limits:

DISTILLED WATER	None Established
ETHYLENEDIAMINETETRAACETICACID SODIUM	None Established
MONOETHANOLAMINE	2.5mg/m3 vapor, 1ppm TWA, STEL 3ppm
ALKYL ETHER SURFACTANT	None established
2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC	No TLV established

### Personal Protective Gear

Eye/Face Protection: ANSI Z87.1-1989 ; Gloves: Latex or Neoprene.

### Engineering Controls

Engineering controls should ensure adequate ventilation to keep airborne concentrations below threshold values shown above. Pumps and handling equipment should be designed to reduce human exposure potentials to liquids being transferred from containers into closed systems.

## Section 9- Physical Properties

<b>Appearance</b>	Clear to Hazy Liquid	<b>Upper Explosive Limit</b>	Not Applicable - Water Based
<b>Odor</b>	Low Indescript	<b>Lower Explosive Limit</b>	Not Applicable - Water Based
<b>Odor Threshold</b>	No Data Available	<b>Vapour Pressure</b>	Not Applicable - Water Based
<b>pH</b>	7.0 - 11.5	<b>Vapour Density</b>	>1 (air=1)
<b>Melting Point</b>	Liquid under intended use conditions	<b>Relative Density</b>	1.0-1.09 kg/l 60C
<b>Freezing Point</b>	0	<b>Solubility</b>	Water, Alcohols
<b>Initial Boiling Point</b>	No Data Available	<b>Partition Coefficient</b>	No Data Available
<b>Boiling Range</b>	N/A Water Based	<b>Auto Ignition Temp</b>	Not Applicable
<b>Flash Point</b>	>93C	<b>Decomposition Temp</b>	Not Determined
<b>Evaporation Rate</b>	<1 (n-butyl acetate =1)	<b>Viscosity cSt 40C</b>	NA - Water Based

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## Section 10- Physical Properties:

<b>Reactivity</b>	May react violently if combined with strong oxidizers and heat.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	Keep away from fire, sparks, and other sources of ignition.
<b>Possibly Hazardous Reactions</b>	None known.
<b>Incompatible Materials</b>	Strong acids and materials marked 'Oxidizer'.
<b>Hazardous Decomposition Products</b>	N/A Product Will Not Burn

## Section 11- Toxicological Information:

### Symptoms of Exposure:

<b>Likely Routes of Exposure</b>	Dermal or Eye exposure from pouring or handling concentrated product. Intended use of product is in enclosed washer systems which prevent worker exposure to mists.
<b>Ingestion</b>	Stinging/burning of lips and mouth from incidental contact. Swallowing large amounts may cause chemical burns in mouth/throat, and vomiting.
<b>Inhalation</b>	Exposure to airborne mists or fumes may cause respiratory irritation and/or dermal irritation.
<b>Dermal/Eye</b>	Eye exposure to concentrated product causes immediate eye burns and irreversible eye damage. Dermal exposure causes immediate skin corrosion. Exposure to airborne mists or fumes at diluted use concentrations may cause eye and/or dermal irritation.
<b>Immediate or Delayed Effects</b>	Immediate: Skin/Eye corrosion from exposure to concentrated aqueous acid or alkaline material. Delayed: None Known.
<b>Interactive Effects</b>	None Known

Numerical Measures of Toxicity - components (all LD/LC/EC 50 values shown below are based on animal or fish data) at max range value section 3.

<b>Acute Oral Toxicity:</b>	DISTILLED WATER: Non Hazardous; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: LD50 >2000 mg/Kg; MONOETHANOLAMINE: LD50 301-2000 mg/kg; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: Non Hazardous
<b>Acute Skin Toxicity:</b>	DISTILLED WATER: Non Hazardous; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Non Hazardous; MONOETHANOLAMINE: LD50 1001-2000 mg/kg; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: Non Hazardous
<b>Acute Toxicity Inhalation</b>	DISTILLED WATER: Non Hazardous; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: LD50 May cause damage to the upper respiratory tract. mg/Kg; MONOETHANOLAMINE: LD50 10=20mg/l; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Data Available

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**Section 11- Toxicological Information: (continued)**

**Skin Corrosion:** DISTILLED WATER: Non Irritating; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Non Irritating; MONOETHANOLAMINE: Cat 1 Corrosive; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: Cat 1 Corrosive

**Eye Corrosion:** DISTILLED WATER: Non-Categorized, Suspected Eye Irritant; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Cat 2A Serious Irritation; MONOETHANOLAMINE: Non-Categorized, Suspected Eye Irritant; ALKYL ETHER SURFACTANT: Cat 2A Serious Irritation; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: Cat 1 Serious Damage

**Respiratory Sensitization:** DISTILLED WATER: Non Sensitizing; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: Non Sensitizing

**Skin Sensitization:** DISTILLED WATER: Non Sensitizing; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: Non Sensitizing

**Germ Cell Mutagenicity:** DISTILLED WATER: No Hazard; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Hazard

**Carcinogen:** DISTILLED WATER: No Hazard; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Hazard; MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Hazard

**Reproductive Effects:** DISTILLED WATER: No Hazard; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Hazard

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## Section 11- Toxicological Information: (continued)

**Target Organ 1 Exposure:** DISTILLED WATER: No Hazard; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; MONOETHANOLAMINE: Cat 3 Transient Toxicant - CNS, Liver, Kidneys; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Hazard

**Target Organ Multiple Exposure:** DISTILLED WATER: No Hazard; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Cat 2 Toxicant- CNS, Liver, Kidneys (animal data); MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Hazard

**Aspiration Hazard:** DISTILLED WATER: No Hazard; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Hazard; MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Hazard

**Other Information** No Other Information Available.

## Section 12- Ecological Information:

**Ecological Summary** Alkaline or Acid cleaners have varying degrees of toxicity. Information on components is shown below.

**Bioaccumulation** Alkaline or Acid cleaners are water soluble and have low bioaccumulation potential. Information on components is shown below.

**Persistence & Degradability** Alkaline or Acid cleaners have good biodegradability and are not persistent in the environment.

**Waste Treatment Effects** Product residues are not expected to enter publicly operated treatment works. No negative effects of this mixture are known.

**Soil Mobility** No data available.

**Other Adverse Effects** None Known

**Toxicity to aquatic organisms, component information:**

**Aquatic Toxicity, Acute:** DISTILLED WATER: Non Toxic; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; MONOETHANOLAMINE: ; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: Non Toxic

**Volatile Organic Content:**

**Aquatic Toxicity, Long Term:** DISTILLED WATER: No Chronic Aquatic Toxicity; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; MONOETHANOLAMINE: Cat 3 Chronic Aquatic Effects; ALKYL ETHER SURFACTANT: ; 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID: No Chronic Aquatic Toxicity

**Ozone:** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by 40 CFR 82, Subpt. A, App.A + 8.

### Section 13- Disposal Considerations:

<b>Disposal Containers &amp; Methods</b>	Unused material is not a RCRA hazardous waste. Mixture with other wastes may cause classification as hazardous waste. Users must determine compliance with local, state, and federal regulations for proper classification and disposal of used oils and mixtures thereof. Suitable containers include steel and polyethylene drums and totes, for containment of used oil. Secondary containment is advised. Containers should be kept sealed and protected from rain and exposure.
<b>Physical Chemical Properties Affecting Disposal</b>	Changes in physical and chemical properties during use, such as contamination with lead, zinc, or other metals, may affect classification for disposal. Used oils should be tested to determine metals content and applicable local, state, and federal regulations governing disposal of such fluids.
<b>Improper Disposal</b>	Discharging of oily wastes into any sewer, watercourse, or unregulated drain is discouraged as improper and may result in fines, penalties, cleanup costs, and criminal liabilities for responsible parties.
<b>Precautions for Landfill</b>	Oily liquid should not be disposed in a landfill. Disposal of oily absorbents, rags, or other items into a landfill should only be done with proper permission from local, state, and federal authorities.

### Section 14- Transport Information:

US DOT 49 CFR Parts 171-180:

**Proper Shipping Name:** Not Regulated

**Combustible Liquid Exemption:** N/A

UN/ID/NA Number: NA

**Transport Hazard Class** NA **Packing Group** NA **Labels:** NA **ERGCode** NA

**Marine Pollutant:** No

IATA-DGR

**IATA Proper Shipping Name** NA **UN/ID Number** NA

**IATA Class** NA **IATA Packing Group:** NA **IATA Labels** NA

IMDG-CODE

**IMDG Proper Shipping Name** NA

**IMDG UN/ID Number** NA **IMDG Shipping Class** NA **IMDG Packing Group** NA

**IMDG Labels** NA **IMDG Marine Pollutant:** No

**MARPOL** Not available for sale in bulk marine shipments

MARPOL 73/78 Annex II

**Special Precautions** None



## Section 15- Regulatory Information:

**NOTE:** Information provided in this section reflects the best available information from suppliers of components used to manufacture this mixture, as of the date of this revision shown below.

**OSHA 1910.1200 Hazardous Chemical:** Hazards are classified as reported in Section 2 above.

**SARA 302 EHS** Not subject to the reporting requirements Sodium hydroxide CAS 1310-73-2 RQ 1000 lbs.; Not subject to the reporting requirements

**SARA 311/312** Acute No Chronic No Fire No Pressure No Reactivity No

**SARA 313 EHS** No Known Hazard or Not Listed

**TSCA Status:** All Components are properly registered

### US State Lists & Regulations:

**CA Prop 65** This product contains substances known to the State of California to cause cancer: Nitrilotriacetic acid; Ethylene oxide; based on CA 65 List as of August 2018.

### US State Right To Know Information:

**IL RTK:** Nitrilotriacetic acid, trisodium salt CAS 5064-31-3 ; Not Listed;

**MA RTK:** Nitrilotriacetic acid, trisodium salt CAS 5064-31-3 ; Not Listed;

**MN RTK:** Not Listed;

**NJ RTK:** Ethylenediaminetetraacetic acid, tetrasodium salt CAS 64-02-8;; Not Listed;

**NY RTK:** Not Listed;

**PA RTK:** Ethylenediaminetetraacetic acid, tetrasodium salt CAS 64-02-8; Sodium hydroxide CAS 1310-73-2;; Not Listed;

**RI RTK:** Not Listed;

**Safe Drinking Water Act:** Sodium hydroxide CAS 1310-73-2;

**Canada WHMIS** No Known Hazard or Not Listed  
Hazard Class:

### International Chemical Inventory Status:

Australia AICS

Japan ENCS

Korea ECL

Canada DSL

China IECSC

Europe EINECS

Phillipines PICCS

Canada NDSL

Europe ELINCS

New Zealand Inv

**REACH :** All components are included in the REACH registry.

### Other Regulations

Safety Data Sheet - according to: 1907/2006 EC (REACH), 1272/2008/EC (CLP), GHS ST\_SG\_AC10\_30\_Rev7e

ACTS DYNA COOL CLEAN HD

## Section 16- Other Information:

**Revision Date** 7/30/2021

**Reasons For Revision** New Information From Supplier GHS

**Sec 16 Other Info** This Safety Data Sheet was prepared in good faith from the most recent information available, in accordance with ST/SG/AC.10/30/Rev.6. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.