



Safety Data Sheet - according to: 1907/2006 EC (REACH), 1272/2008/EC (CLP), GHS ST_SG_AC10_30_Rev7e

Section 1 - Identification

Product Identifier: DYNAMIC DIESEL EXTREME I&E CLEANUP

Supplier: Professional Series, LLC.

Supplier Phone: (215) 234-3085

Supplier Address: 375 Ivyland Road, Suite 8

Formula Number 4890

Warminster, PA 18974

In Case of Spills or Medical Emergency:

North American 24 HRS, 7 DAYS
1-800-424-9300 or

Shipments: 1-703-527-3887

International (CHEMTREC)

Shipments: (215) 234-3085

Intended Use Industrial-Automotive Highly Alkaline Cleaner for use in enclosed systems

Uses To Avoid Non-Industrial Use.

Section 2 - Hazard Identification

Signal Word: WARNING

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

Eye damage/irritation (Category 2A),

Hazard Statements based on component information:

HAZARDS: Causes serious eye irritation.

Precautions:

Always prevent contact with skin. Handle only after putting on protective chemical resistant clothes, gloves, goggles, and skin protection.

NO
PICTOGRAMS
APPLY

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

	FN 4890	ACTS DYNAMIC DIESEL EXTREME I&E CLEANUP	
	CAS Number	% Range	Exact percentages
DISTILLED WATER	7732-18-5	60 - 100	
POTASSIUM HYDROXIDE SOLUTION	1310-58-3	1 - 5	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	
SODIUM CARBOXYLATE MIXTURE	MIXTURE	1 - 5	
MODIFIED CARBOXYLATE	SUPPLIER PROPRIETARY	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 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: Rinse affected area with cool 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: Skin burns, eye corrosion. **DELAYED:** Dermatological effects (rash).

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

Section 5 - Fire Fighting Measures:

Flash Point:	N/A-Water Based
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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. Highly alkaline material may react with acids and/or dissolve metals or cloth. 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
POTASSIUM HYDROXIDE SOLUTION	ACGIH TLV 2mg/M3
ETHYLENEDIAMINETETRAACETICACID SODIUM	None Established
SODIUM CARBOXYLATE MIXTURE	No Known Hazard
MODIFIED CARBOXYLATE	No Known Hazard

Personal Protective Gear

Eye/Face Protection: ANSI Z87.1-1989 ; Gloves: Latex or Neoprene; Workers should wear safety glasses, gloves, long sleeves, long pants, hair covering, and oil resistant shoes, when handling this product.

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

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

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

Section 11- Toxicological Information:**Symptoms of Exposure:**

Likely Routes of Exposure	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.
Ingestion	Stinging/burning of lips and mouth from incidental contact. Swallowing large amounts may cause chemical burns in mouth/throat, and vomiting.
Inhalation	Exposure to airborne mists or fumes may cause respiratory irritation and/or dermal irritation.
Dermal/Eye	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.

Immediate or Immediate: Skin/Eye corrosion from exposure to concentrated aqueous acid or alkaline material. Delayed: None Known.
Delayed Effects

Interactive Effects 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.

Acute Oral Toxicity: DISTILLED WATER: Non Hazardous; POTASSIUM HYDROXIDE SOLUTION: LD50 51-300 mg/kg; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: LD50 >2000 mg/Kg; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Acute Skin Toxicity: DISTILLED WATER: Non Hazardous; POTASSIUM HYDROXIDE SOLUTION: LD50 may cause serious burns to human tissue. mg/Kg; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Non Hazardous; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Acute Toxicity Inhalation DISTILLED WATER: Non Hazardous; POTASSIUM HYDROXIDE SOLUTION: Non Hazardous; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: LD50 May cause damage to the upper respiratory tract. mg/Kg; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

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Skin Corrosion: DISTILLED WATER: Non Irritating; POTASSIUM HYDROXIDE SOLUTION: Cat 1 Corrosive; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Non Irritating; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Eye Corrosion: DISTILLED WATER: Non-Categorized, Suspected Eye Irritant; POTASSIUM HYDROXIDE SOLUTION: Cat 1 Serious Damage; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Cat 2A Serious Irritation; SODIUM CARBOXYLATE MIXTURE: Cat 2A Serious Irritation; MODIFIED CARBOXYLATE: Non-Categorized, Suspected Eye Irritant

Respiratory Sensitization: DISTILLED WATER: Non Sensitizing; POTASSIUM HYDROXIDE SOLUTION: Non Sensitizing; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Skin Sensitization: DISTILLED WATER: Non Sensitizing; POTASSIUM HYDROXIDE SOLUTION: Non Sensitizing; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Germ Cell Mutagenicity: DISTILLED WATER: No Hazard; POTASSIUM HYDROXIDE SOLUTION: No Data Available; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Carcinogen: DISTILLED WATER: No Hazard; POTASSIUM HYDROXIDE SOLUTION: No Data Available; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Hazard; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Reproductive Effects: DISTILLED WATER: No Hazard; POTASSIUM HYDROXIDE SOLUTION: No Data Available; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:



Section 11- Toxicological Information: (continued)

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Target Organ 1 Exposure: DISTILLED WATER: No Hazard; POTASSIUM HYDROXIDE SOLUTION: All human tissue damaged on contact.; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Target Organ Multiple Exposure: DISTILLED WATER: No Hazard; POTASSIUM HYDROXIDE SOLUTION: No Hazard; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: Cat 2 Toxicant- CNS, Liver, Kidneys (animal data); SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Aspiration Hazard: DISTILLED WATER: No Hazard; POTASSIUM HYDROXIDE SOLUTION: No Data Available; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Hazard; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

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; POTASSIUM HYDROXIDE SOLUTION: L(E)C5011-100mg/l; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

Volatile Organic Content: This product is VOC free.



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Aquatic Toxicity, Long Term: DISTILLED WATER: No Chronic Aquatic Toxicity; POTASSIUM HYDROXIDE SOLUTION: Cat 3 Chronic Aquatic Effects; ETHYLENEDIAMINETETRAACETICACID SODIUM SALT: No Data Available; SODIUM CARBOXYLATE MIXTURE: ; MODIFIED CARBOXYLATE:

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:

- Disposal Containers & Methods** 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.
- Physical Chemical Properties Affecting Disposal** 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.
- Improper Disposal** 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.

Precautions for Landfill

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: Corrosive liquid basic organic n.o.s.

Combustible Liquid Exemption: N/A

UN/ID/NA Number: 3267
ERGCode 8

Transport Hazard Class 8 Packing Group II Labels: 8

Marine Pollutant: No

IATA-DGR

IATA Proper Shipping Name Corrosive liquid basic organic n.o.s.

UN/ID Number 3267

IATA Class 8 IATA Packing Group: II

IATA Labels 8

IMDG-CODE

IMDG Proper Shipping Name Corrosive liquid basic organic n.o.s.

IMDG UN/ID Number 3267 IMDG Shipping Class 8 IMDG Packing Group II
IMDG Labels 8 IMDG Marine Pollutant: No

MARPOL Not available for sale in bulk marine shipments

MARPOL 73/78 Annex II

Special Precautions None



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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 No Known Hazard or Not Listed

SARA 311/312	Acute	No	Chronic	Fire No	Pressure	Reactivity
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SARA 313 EHS No Known Hazard or Not Listed

TSCA Status: All Components are properly registered

US State Lists & Regulations:

CA Prop 65

US State Right To Know Information:

IL RTK: Potassium Hydroxide CAS 1310-58-3;; Nitritotriacetic acid, trisodium salt CAS 5064-31-3 ; Not Listed;

MA RTK: Potassium Hydroxide CAS 1310-58-3;; Nitritotriacetic acid, trisodium salt CAS 5064-31-3 ; Not Listed;

MN RTK: Not Listed;

NJ RTK: Potassium Hydroxide CAS 1310-58-3;; Ethylenediaminetetraacetic acid, tetrasodium salt CAS 64-02-8;; Not Listed;

NY RTK: Not Listed;

PA RTK: Potassium Hydroxide CAS 1310-58-3;; Ethylenediaminetetraacetic acid, tetrasodium salt CAS 64-02-8; Sodium hydroxide CAS 1310-73-2;; Not Listed;

RI RTK: Potassium Hydroxide CAS 1310-58-3;; Not Listed;

Safe Drinking Water No Known Hazard or Not Listed
Act:

Canada WHMIS No Known Hazard or Not Listed
Hazard Class:

International Chemical Inventory Status:

Australia AICS
China IECSC

Japan ENCS
Europe EINECS
Europe ELINCS

Korea ECL
Phillipines PICCS

Canada DSL
Canada NDSL
New Zealand Inv

REACH : All components are included in the REACH registry.

Other Regulations



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Section 16- Other Information:

Revision Date 7/30/2021

Reasons For Revision Initial GHS creation

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.