

SynClean HD

CLEANER + DEGREASER



TRIDENT

Industrial Cleaner + Degreaser - High Detergency

SynClean HD is unlike any industrial degreaser on the market. Its superior degreasing power comes from a patented ingredient that safely lifts grease from any surface without the use of solvents. As such, it easily removes petroleum-based oils, vegetable and animal fats, along with dirt, protein, soils, and more. Other degreasers with the power of SynClean are solvent or butyl based, and work by emulsifying the grease from the top of the stain down to the surface where it lies. SynClean encapsulates each hydro-carbon molecule, lifting it from the surface. This means SynClean does not break down the hydrocarbons to where they absorb water, take on weight and sink to the bottom of a grease trap or containment unit. The grease pulled away by SynClean remains in its original form.

SynClean also contains detergent, wetting and sequestering agents, penetrants, rust and corrosion inhibitors making it a true all-in-one cleaner for any use. And a little goes a long way. At 5:1 dilution SynClean easily removes caked on hydraulic fluid. At 10:1 SynClean easily clean a dirty fry hood, or removes caked on milk residue. Use at 30:1 for carpets, vehicles, or floors. Even at 100:1 SynClean will clean filthy windows and leave behind a streak free finish.

SynClean technology is recommended by truck giants like Mack, McNeilus and Blue Bird to safely clean their vehicles. It is also used by major commercial airlines to wash airplane exteriors and interiors. It was even used to clean the Space Shuttle.

The HD stands for high detergency which will provide ample foam. Ask about SynClean LF (low foaming) for applications where foam is not desired. SynClean works equally with cold and hot water and is safe for use in rotary, steam cleaning machines and car parts washers. SynClean N (neutral) gives you SynClean power with a neutral pH. And because SynClean comes with a triple-zero HMIS score, you can store and use the product without special consideration. It meets or exceeds Design for Environment standards set by the EPA and NSF. NSF certified A1, A4, A5, A8, C1 and K1. SynClean technology can be purchased certified Kosher Pareve in our manufacturer's food processing line.

SynClean's unique ingredients and patented formulation has been honored with endorsements and recommendations from a variety of OEM manufacturers and government agencies throughout the world. The formula and its ingredients meet or exceed the EPA's Safer Choice program requirements for both the safety of the environment and the user.

Always Forward  Trident Clean

- ◆ **Non-Butyl**
- ◆ **Non-Toxic**
- ◆ **Non-Solvent**
- ◆ **Lifts Grease**
- ◆ **Cuts Animal Fats**
- ◆ **Cuts Vegetable Fats**
- ◆ **Non-Emulsifying**
- ◆ **Reduces Grease Trap Maintenance**
- ◆ **Low Foam and Neutral pH Formulations**
- ◆ **MIL PRF 85570D Type II**
- ◆ **Airbus AIMS09-00-002**
- ◆ **Boeing D6-17487 Rev T**
- ◆ **Boeing D6-7127 Rev P**
- ◆ **Douglas CSD No.1 Type I**



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CAN
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Safe By Design  **Pro Performance**

For technical or product information please call 833.TRI.DPRO | 833.874.3776 or visit www.TridentCleanPro.com



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Technical Data

BIODEGRADABLE:	Yes/100%
FORM:	Liquid
ODOR:	Mild Soapy Odor
COLD STABILITY:	-18° F
DETERGENCY :	Excellent
PHOSPHATES	None
WETTING ABILITY:	Excellent
FLAMMABILITY:	Non-Flammable
BOILING POINT:	245° F
SOLUBILITY IN WATER:	100%
VOC's:	None
VOLATILE BY VOLUME:	N/A
CARCINOGENS:	None
SHELF LIFE:	2 Years

Dilution Specifications

Floors:	40:1
General Cleaning:	30:1
Degreasing:	10:1
Heavy Degreasing:	3:1

Apply to buildup, agitate, rinse. Repeat as needed. Apply to wet surface.

DOT Statement

Non-D.O.T. Regulated/Non-D.O.T. Hazardous
EXEMPT as per 49 CFR 173.154(d) (1) <6.25 mmpy

D. O. T. classifies a material to be corrosive and hazardous if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075- Y6 Aluminum.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.

LC 50 And LD 50 (Rat Oral) scores found Synclean HD to be NON-TOXIC

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals:

Synclean HD is NON-MUTAGENIC

Dermal Irritation & Corrosion Test:

A modified draize method was used as described in OECD Guidelines for the Testing of Chemicals Sec. 404 and complies with the requirements of OECD principles of GLP, Annex revised as of July 1992

Synclean HD is classified as a "Non -Skin Irritant"

Biodegradation & Aquatic Safety Test Procedure:

Hach Reactor Digestion Method for Waste Water and Sea Water. Hach Reactor Digestion Method is a Semi-Micro Adaptation of the Standard Methods.

Synclean HD is 100% Biodegradable

COD = **Low Detectable Limits**

BOD = **No Detectable Limits**

Classifications & Approvals

D.O.T., IMO, IATA, IMDG: Non-Regulated

TDG: Non-Regulated to and through Canada

SARA 313 311/312: This product does not contain any ingredients that are subject to the reporting requirements.

California Prop 65: This product does not contain any ingredients known to the state of California to cause cancer, birth defects or any other reproductive harm.

Recognized as Safe (GRAS)

USDA Authorization: A1, A2, A4, A8, C3

NSF

A1, A2, A3, A4, A5, A8, C1, C2 & D1

Additional Studies & Results: When tested, Synclean HD showed no potential for the generation of Carbon Dioxide under NIOSH 7903, OSHA & ACGIH testing protocols governing workplace environments.

Common Uses

Synclean HD is a super concentrated industrial cleaner which at different dilutions can be used in almost countless environments.

Any Surface, Drilling Rigs, Asphalt Removal, Oil Cleanup, Grease Removal, Heavy Equipment, Rental Yards, Restaurant Degreasing, Carbon Removal, Truck or Auto Washing, Carpets, Shop Floors, Protein Stains, Parts Cleaner/Degreaser, Wheel Cleaning, Aircraft, Helicopters, Military Equipment, Industrial Plants, Mills, Schools

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SynClean HD

CLEANER + DEGREASER



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Aeronautic Cleaner + Degreaser - High Detergency

SynClean HD has received multiple certifications as an exterior cleaner, degreaser, carbon remover and interior cleaner of commercial, fleet and military aircraft. The power comes from a patented ingredient, a hydrocarbon displacement technology that safely removes soot, grease and grime in numerous industries. It is also suitable for providing general grease and oil removal from aircraft components in maintenance, overhaul and repair operations.

SynClean HD safely lifts grease from any surface without the use of caustics, solvents, alcohol, EDTA and soaps. As such it can remove petroleum-based oils, grease, carbon scoring, dirt and fuel spills without endangering your equipment or the environment. It has been tested and proven to effectively remove carbon build-up that is common to all aircraft without harm to the seals and gaskets. It also contains a safe blend of detergents, wetting agents, sequestering agents, penetrates, rust and corrosion inhibitors. As with all our products, SynClean HD is a water soluble, non-butyl, biodegradable, non-flammable and non-toxic product. It carries a triple-zero HMIS score and is formulated for direct release and biodegradation per OECD guidelines and manufactured in a USDA Bio Preferred and Green Circle certified facility.

Boeing, Airbus and other aircraft manufacturers maintain strict testing protocols to ensure products used on their aircraft meet their operational safety standards. SynClean HD is approved for all Boeing aircraft and related parts and is even safe on helicopters. It is also used by major commercial airlines to wash airplane exteriors and interiors. It is on the Priority Procurement List for the U.S. Air Force and NASA for the cleaning of its air/space craft. It was even used to clean the Space Shuttle.

The product has earned multiple certifications and has confirmed to conform or exceed specifications in the aviation industry including:

- MIL-PRF-8552
- MIL-PRF-85570D Type II
- AIRBUS AIMS09-00-002
- Boeing D6 17487 Revision T
- Boeing D6 7127 Revision P
- Doulgas CSD No.1 Type I
- United States National Space Agency
Priority Procurement List for Washing of Aircraft and Spacecraft

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- ◆ **Non-Petroleum**
- ◆ **100% Biodegradable**
- ◆ **Boeing Approved**
- ◆ **Exceeds Mil Specs**
- ◆ **All Aircraft & Helicopters**
- ◆ **Removes Soot**
- ◆ **Dissolves Carbon Scoring**
- ◆ **Non-D.O.T. Regulated**
- ◆ **Dip & Ultrasonic Tanks**



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