



HIGH DETERGENCY HIGH FOAMING INDUSTRIAL CLEANER AND DEGREASER

- 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 85570, Type 2
- NSN 7930-11-003-7309
- NSF Certified

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 hydrocarbon 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 a 5:1 dilution SynClean easily removes caked-on hydraulic fluid. At 10:1 SynClean easily cleans 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 is so safe it is recommended by truck giants Volvo and Mack to safely clean big rigs.

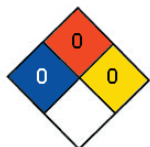
The HD stands for high detergency which will provide ample foam. Ask about SynClean LF (low foaming) for applications where foam is not desired. SynClean works equally with cold or hot water and is safe for use in rotary, steam cleaning machines and car parts washers. SynClean N (neutral) gives you SynClean power with a neutral pH.

And because SynClean comes with a triple-zero HMIS score, you can store and use the product without special considerations.

NSF certified A1, A4, A5, A8, C1 and K1. SynClean HD has been recognized for safer chemistry by the EPA's Design for Environment program and is certified as a direct release product.



Recognized for Safer Chemistry
www.epa.gov/dfe



Technical Data

NITRATE LEVEL: 0% - None	SHIPPER REGULATIONS: None
FORM: Liquid	FLASH POINT: None
ODOR: Mild Soapy Odor	BOILING POINT: 212° F
COLD STABILITY: -18° F	SOLUBILITY IN WATER: 100%
DETERGENCY: Strong	BIODEGRADABLE: Yes/100%
TOXICITY: Non Toxic	VOLATILE BY VOLUME: N/A
WETTING ABILITY: Excellent	CARCINOGENS: None
STORAGE STABILITY: 3 Years+	VISCOSITY: Thin

Common Uses

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

Cleaning Uses
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

Metal Studies

Dept. of Transportation (D.O.T.) Test Protocols as per Section 173.154
Exceptions for Class 8 (corrosive materials): The material being tested must be proven to be non-destructive or not to cause irreversible alterations in human skin tissue. Testing was conducted on an albino rabbit.

Conclusion: SynClean HD proven to be NON-DESTRUCTIVE on human skin tissue.

Metal Test Limits: D.O.T. Classifies a material to be CORROSIVE if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075-Y6 Aluminum.

Results of SynClean HD: SAE 1020 carbon steel = 0.00 mmpy
7075-Y6 aluminum = 0.00 mmpy

Conclusion: SynClean HD is NON-CORROSIVE

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.

Dilution Specifications

Please refer to the product label.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.
LC 50 and LD 50 (rat oral) found to be NON-TOXIC

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals
SynClean HD was found NOT TO BE 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 received a Primary Irritation Score of .4 +/-0.1 and 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.

Test Results Conclude SynClean HD was found to be 100% Biodegradable

COD = Low Detectable Limits

BOD = No Detectable Limits

Classifications & Approvals

D.O.T., TDG, IMO, IATA, IMDG, SARA 313 311/312, California Prop 65
NON-Regulated

FDA
Approved as Safe (GRAS)

USDA Authorization
A1, A2, A3, A4, A7, A8, C2,

MIL PRF 85570 D, Type 2

Kosher Approved

NSN 7930-11-003-7309

EPA Design for Environment

Recognized for Safer Chemistry www.epa.gov/dfe

NSF
A1, A4, A5, A8, C1, K1