

BIO-BLUE HD 2

Non-toxic, Multi-use, biodegradable cleaner/degreaser is a safe, yet strong powdered multi-purpose concentrated cleaner. Custom designed formula uses high-grade wetting and penetrating agents that dislodges stubborn contaminants from washable surfaces, and provides sheet rinsing action for a non-slippery finish

ADVANTAGES:

- Provides cleaning capabilities to achieve the results the oil and gas industry requires.
- Super-Concentrated“ formula for multi-task cleaning and degreasing.
- Dilutes with tap water or seawater for economical use anywhere.
- Unique ability to clean many kinds of soils. It breaks down oil and grease for easy rinsing.
- Solubilizes all oils and greases so they can be washed down the drain or into recycle systems safely.

BIO-BLUE HD2 is a premium grade, fast acting, multi use liquid cleaner & degreaser. The unique combination of penetrating surfactants, grease-dissolving chemicals and corrosion inhibitors enable this product to cut through a wide variety of greases, oils and soils quickly and safely.

- Mild pleasant odor
- Biodegradable
- Low Foaming
- Easy Rinsing
- Non-flammable (no flash point)
- Contains no toxic solvents, free alkalies, acids or abrasives.

A most versatile product for degreasing auto and aircraft engines, chassis and other parts ; cleaning vinyl, plastic, leather upholstery; painted and unpainted machinery and equipment. Also used for stripping and cleaning composition floors, cleaning terrazzo, ceramic tiles and concrete. Most soils can be easily removed with Grease Strip simply by washing or rinsing off. Some light agitation may be required where stubborn soils exist.

Apply with a brush, sprayer, pressure washer, foam gun, or mop. Agitate the surface to loosen the soils. Rinse with clear water. It reduces oil and grease into smaller and smaller droplets until they become part of the water solution and not redeposit back onto the surface.

Safe To Use - a non-petroleum based product, will reduce problems normally associated with petroleum based products which, in the past, were widely used as cleaning products.

PRODUCT SPECIFICATIONS

TEST	DESCRIPTION	RESULTS
MTM16.1A	SOLUBILITY 1%, 25C	SOLUBLE
MTM5.1C	BRIX REFRACT # NEAT	21 to 23
MTM6.7	APPEARANCE	CLEAR TO SLIGHT HAZE BLUE LIQUID
MTM9.1A	pH 1% SOL. @25 METER#	10 to 11

Material Safety Data Sheet

BIO-BLUE HD2

SECTION I - IDENTIFICATION

MANUFACTURER'S NAME: ----- L & L QUALITY PRODUCTS
MANUFACTURER'S ADDRESS: ----- 3569 VICKI LANE, DOUGLASVILLE, GA 30135
EMERGENCY PHONE NUMBER: ----- 770-231-2153
DATE PREPARED: ----- JUNE 15, 2008
REVISED DATE: ----- N/A
PRODUCT NAME: ----- BIO-BLUE HD 2
CHEMICAL DESCRIPTION:----- PROPRIETARY
PRODUCT USE: ----- WATER-BASED CLEANER/DEGREASER

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	TLV (UNITS)	PRODCAS #
BUTYL CELLOSOLV	< 10	5 ppm	111-76-2

SECTION III - PHYSICAL DATA

BOILING POINT: ----- > 212F
Ph 1% SOLUTION: ----- 10.5
SOLUBILITY IN WATER: ----- COMPLETELY SOLUBLE
PERCENT MOISTURE: ----- 75
BROOKFIELD VISC. @ 75F ----- <20 cps
SPECIFIC GRAVITY: ----- 1.04 g/ml
APPEARANCE AND ODOR: ----- BLUE LIQUID WITH A MILD GLYCOL ETHER ODOR
MISC. PHYSICAL DATA: ----- N/A

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: ----- >120F
FIRE POINT: ----- N/A
EXTINGUISHING MEDIA: WATER SPRAY OR MIST, CO2, DRYCHEMICAL FOAM.
SPECIAL FIRE FIGHTING PROCEDURES: WEAR A SELF CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: ----- STABLE
CONDITIONS TO AVOID: ----- N/A
INCOMPATIBILITY: ----- STRONG OXIDIZERS
DECOMPOSTIION PRODUCTS: -- CARBON DIOXIDE, CARBON MONOXIDE, PHOSPHOROUS OXIDES AND VARIOUS HYDROCARBONS MAY BE RELEASED DURING A FIRE.
HAZARDOUS POLYMERIZATION: ---- WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT ESTABLISHED
OVER EXPOSURE EFFECTS/ROUTES OF ENTRY: PROLONGED OR REPEATED CONTACT WITH THE UNDILUTED PRODUCT CAN CAUSE MODERATE SKIN IRRITATION, DEFATTING, AND POSSIBLY DERMATITUS. SWALLOWING THIS PRODUCT CAN CAUSE BURNS AND/OR SEVERE GASTROINTESTINAL IRRITATION, AS WELL AS DIARRHEA, NAUSEA, AND VOMITING.
FIRST AID PROCEDURES: FLUSH EYES WITH FRESH WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED SKIN AREAS WITH MILD SOAP AND WATER. IF SKIN IRRITATION IS SEVERE OR CONTINUES, GET MEDICAL ATTENTION. IN CASE OF INTOXICATION, GIVE OXYGEN, AVOID MOUTH TO MOUTH RESUSCITATION.
CHRONIC OVER EXPOSURE EFFECTS: N/A
CARCINOGENITY INFORMATION: NO COMPONENTS OF THIS PRODUCT ARE LISTED AS A CARCINOGEN BY IARC, NTP, OSHA, OR ACGIH.

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SECTION VII - SPILL OR LEAK PROCEDURE

FOR SPILL: REMOVE ALL UNNECESSARY PERSONNEL. CONTAIN SPILL AND SALVAGE AS MUCH MATERIAL AS POSSIBLE BY PUMPING TO A SALVAGE TANK OR DRUM. PICK UP REMAINING MATERIAL WITH A SUITABLE ABSORBANT.

WASTE DISPOSAL METHOD: DISPOSE OF ONLY BY METHODS APPROVED BY AND USED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DISPOSE OF ONLY AT A LICENSED AND CERTIFIED CHEMICAL WASTE DISPOSAL FACILITY.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION: NOT NORMALLY REQUIRED

VENTILATION: LOCAL EXHAUST, GENERAL MECHANICAL

PROTECTIVE GLOVES: NEOPRENE OR OTHER CHEMICAL RESISTANT GLOVES

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

OTHER PROTECTIVE EQUIPMENT: SAFETY SHOWER / EYE BATH. WEAR AN IMPERVIOUS APRON OR IMPERVIOUS CLOTHING WHEN WORKING WITH THIS PRODUCT IN ITS UNDILUTED FORM.

SECTION IX - SPECIAL PRECAUTIONS

SPECIAL INFORMATION: STORE AT NORMAL TEMP AND CONDITIONS OF WEARHOUSING. KEEP CONTAINER CLOSED WHEN NOT IN USE. WASH CONTAMINATED CLOTHING BEFORE RE-WEARING. DO NOT HANDLE THIS PRODUCT IN ITS UNDILUTED STATE WITHOUT THE PROPER PROTECTIVE EQUIPMENT.

DOT HAZARD CLASS: ----- N/A

DOT SHIPPING NAME: ----- N/A

UN NUMBER: ----- N/A

NA NUMBER: ----- N/A

ADDITIONAL REGULATORY INFORMATION: THIS PRODUCT CONTAINS BUTYL CELLOSOLV, A SARA 313 REPORTABLE CHEMICAL (AS CERTAIN GLYCOL ETHERS).

HMIS CODES

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERS. PROTECTION	C

ALL DATA ARE BELIEVED TO BE CORRECT, HOWEVER, THIS SHOULD NOT BE ACCEPTED AS A GUARANTEE OF THEIR ACCURACY WITHOUT CONFIRMING TESTS IN YOUR OWN PLANT OR LAB. THE DATA RELATES ONLY TO THE MATERIAL AS SUPPLIED AND DOES NOT RELATE TO COMBINATIONS WITH OTHER MATERIALS.
MC-193-58B

Product Code: 1-0860