# SAFETY DATA SHEET

IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

#### SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: PRODUCT USES: COMPANY IDENTITY: COMPANY ADDRESS: COMPANY CITY: COMPANY PHONE: EMERGENCY PHONE: CHEMTREC 400 MD RI Heavy Duty Degreaser, Cleaner Biosolutions LLC 1800 Industrial Park Drive Grand Haven, MI 49417 1-616-846-1210

1-800-424-9300 (U.S) 1-703-527-3887 (outside the U.S.)

#### **SECTION 2. HAZARDS IDENTIFICATION**

2.1 HAZARD STATEMENTS: (CAT = Haz	ard Category)
Physical Hazards:	None known
Health Hazards:	None Known
Environmental Hazards:	None Known
OSHA defined Hazards	Not classified
Label Elements	
Signal Word	Not classified
Hazard Statement	None Known
2.2 PRECAUTIONARY STATEMENTS	):
Read label before use. Keep out of reach o	f children. If medical advice is needed, have product container or label at hand.
PREVENTION:	Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves, eye protection, and face protection.
RESPONSE:	If skin irritation occurs: Take off contaminated clothing. Wash with plenty of water. Wash contaminated clothing before reuse.
	If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
STORAGE:	No special requirements.
DISPOSAL:	Dispose of the contents/container in accordance with local, regional, national, and international regulation.
Hazard(s) not otherwise	
classified (HNOC)	None Known

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SEC MATERIAL Non-Hazardous Surfactants	TION 3. COMPOSITION/INFORMATION ON INGREDIENTS CAS# Mixture	<b>WT %</b> 2-5%
TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).		
SECTION 4. FIRST AID MEASURES		
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position for breathing. Call a physician if symptoms develop or persist.	tion comfortable
Skin Contact	Remove contaminated clothing immediately and wash skin with soa Take off immediately all contaminated clothing. In case of eczema or disorders: Seek medical attention and take along these instructions. contaminated clothing before reuse.	other skin
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. lenses, if present and easy to do. Get medical attention if irritation de persists.	
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison immediately.	control center
Most important symptoms/effects, acute and delayed	Dermatitis. Rash. Direct contact with eyes may cause temporary irrit irritation. May cause an allergic skin reaction. May cause redness and	
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.	
General information	Take off all contaminated clothing immediately. Ensure that medical aware of the material(s) involved, and take precautions to protect the contaminated clothing before reuse.	•

# **SECTION 5. FIRE FIGHTING MEASURES**

Suitable extinguishing media	Water Fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Water Jet.
Unsuitable Extinguishing media	None Known
Specific Hazards arising from the chemical	Irritating vapors may be produced if ignited
Special protective equipment	Self-Contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire do not breath fumes.
Specific methods	Use standard firefighting procedures and consider the hazards of the other involved materials.
General fire hazards	None Known
	SECTION 6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment, emergency procedures	Keep unnecessary personnel away. Wear appropriate protective equipment and. clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece, mop). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, Water courses or onto the ground.

# SECTION 7. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage. Avoid releases to the environment. Do not empty into drains.	
Conditions for safe storage, includin any incompatibilitie		
	SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Occupational Exposure Limits US. ACGIH Threshold Limit Values Components: None Known US. NIOSH: Pocket Guide to Chemical Hazards Components: None Known		
Biological Limit values	No biological exposure limits noted for the ingredient(s).	
Appropriate Engineering Controls	exposure limits have not been established, maintain airborne levels to an acceptable level. ye wash facilities an emergency shower must be available when handling this product.	
Individual protection measures, such as personal protective equipmentEye/FaceWear safety glasses with side shields (or goggles). Face shield is recommended.protection		
Skin protection	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended	
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.	
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.	
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.	

#### **SECTION 9. PHYSICAL & CHEMICAL PROPERTIES**

APPEARANCE:	Liquid, Clear, and Blue
ODOR:	Mild
ODOR THRESHOLD:	Not Available
pH (Neutrality):	8.0-9.0
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	Not Available
FLASH POINT (TEST METHOD):	Not Available
EVAPORATION RATE (n-Butyl Acetate=1):	Not Available
FLAMMABILITY CLASSIFICATION:	Non Flammable Hazard
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C / 68 F:	Not Available
VAPOR DENSITY (air=1):	Not Available
GRAVITY @ 68/68 F / 20/20 C:	
SPECIFIC GRAVITY (Water=1):	1.00 g/mL
POUNDS/GALLON:	8.34 lb/gal
WATER SOLUBILITY:	Soluble
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
VOCs (>0.044 Lbs/Sq In) :	Not Available
TOTAL VOC'S (TVOC)*:	Not Available
NONEXEMPT VOC'S (CVOC)*:	Not Available
HAZARDOUS AIR POLLUTANTS (HAPS):	Not Available
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @	-
VISCOSITY @ 20 C (ASTM D445):	Not Available
VOLATILE %:	Not Available
* Using CARB (California Air Resources Board Rules)	

# SECTION 10. STABILITY & REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under conditions of normal use
Conditions to avoid	None known
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	No hazardous decomposition products are known

# SECTION 11. TOXICOLOGICAL INFORMATION

Ingestion	Expected to be a low ingestion hazard	
Inhalation	Prolonged inhalation may be harmful	
Skin Contact	Causes skin irritation. May cause an allergic skin reaction.	
Eye Contact	Direct contact with eyes may cause temporary irritation.	
Symptoms related to the physical, chemical and toxicological characteristics	Dermatitis. Rash. Skin irritation. May cause Redness and Pain . May cause an allergic skin reaction.	
Information on toxic	cological effects	
Acute toxicity	May cause an allergic skin reaction	
Skin Corrosion/ irritation	Causes skin irritation.	
Serious eye Direct contact with eyes may cause temporary irritation. damage/Eye irritation		
Respiratory sensitization	Not available.	
Skin sensitization	Not available	
Germ Cell mutagenicity	No data available to indicate product or any components present at greater than .01% are mutagenic or genotoxic	
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
Reproductive toxicity	This product is not expected to case reproductive or developmental effects.	
Specific target organ toxicity -Single Exposure	Not Classified.	
Specific target organ toxicity -Repeated exposure	Not Classified.	
Aspiration hazard	Not available.	
Chronic Effects	Prolonged inhalation may be harmful.	

#### **SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity	No data available
Persistence and degradability	No data is available on the degradability of this product
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse Effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.

#### **SECTION 14. TRANSPORT INFORMATION**

MARINE POLLUTANT:	No
DOT/TDG SHIP NAME:	Not regulated as dangerous goods
IATA / ICAO:	Not regulated as dangerous goods
IMO / IMDG:	Not regulated as dangerous goods

### **SECTION 15. REGULATORY INFORMATION**

TSCA section 12(b) Export Noti Not Regulated	fication (40 CFR 707, Subpt. D)
CERCLA hazardous Substance L	ict (A0 CED 202 A)
Not listed	1St (40 CFK 502.4)
SARA 304 Emergency release n	otification
Not Regulated	otheation
	bstances (29 CFR 1910.1001-1050)
Not listed	
	eauthorization Act of 1986 (SARA)
Hazard Categories	Immediate Hazard- No
	Delayed Hazard- No
	Fire Hazard- No
	Pressure Hazard- No
	Reactivity Hazard- NO
SARA 302 Extremely hazardous	substance
Not Listed	
SARA 311/312 Hazardous chen	nical
No	
SARA 313 (TRI reporting)	
Not regulated	
Other federal regulations	
8	ion 112 Hazardous Air Pollutants (HAPs) List
Not regulated	
8	ion 112(r) Accidental Release Prevention (40 CFR 68.130)
Not Regulated	
Safe Drinking Water Act	(SDWA)
Not regulated	
State regulations	
US. Massachusetts RTK-	Substance List
Not regulated	
0	and Community Right-to-Know Act
Not regulated	
US. Pennsylvania Worke	er and Community Right-to-Know Law
Not regulated	
<b>US. Rhode Island RTK</b>	
Not regulated	
US. California Propositio	on 65
	ot known to contain any chemicals currently listed as carcinogens or reproductive
toxins.	

#### **SECTION 16. OTHER INFORMATION**

Issue Date Version # NOTICE

# 3/17/17 02

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