

09-JAN-09
CLEANER CB20 S DRUM

To Whom It May Concern:

As you requested, attached is a copy of a Material Safety Data Sheet covering (our ref. no. 303236) CLEANER CB20 S DRUM.

Title III of the Superfund Amendments and Reauthorizations Act (SARA) requires chemical suppliers of mixtures and trade name products to provide information to their customers sufficient for them to comply with the requirements of Section 313.

Material Safety Data Sheets (MSDS's) have been updated to include the section 313 information.

Erick Aho
Chemist

MATERIAL SAFETY DATA SHEET FOR CLEANER CB20 S DRUM

TOTAL Lubricants USA, Inc.
Airport Road
Rockingham NC 28379-1058

REVISION DATE
05-DEC-06

DATE ISSUED
09-JAN-09

IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: CLEANER CB20 S DRUM	PRODUCT #: 101294
CHEMICAL NAME: N/A - Mixture	CAS #'S: Mixture
PRODUCT APPEARANCE AND ODOR: Yellow liquid, typical odor	CHEMICAL FAMILY: N/A - Mixture
SYNONYMS: Alkaline cleaner	EMERGENCY TELEPHONE: 910-997-5086

COMPONENTS AND HAZARD INFORMATION

COMPONENTS:	W/W	HAZARD DATA (TLV, LD50, LC50, ETC.):
Water CAS # 7732-18-5		n/e
Isoparaffinic hydrocarbon CAS # 64742-48-9		300 ppm TLV (recommended)
Ethylene glycol monobutyl ether CAS # 111-76-2		25 ppm TLV (OSHA)

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

Health	Flammability	Reactivity
2	0	0

TRANSPORTATION INFORMATION

TRANSPORTATION/SHIPPING INFORMATION:

Department of Transportation (DOT): Not regulated

EMERGENCY FIRST AID

EYES: IMMEDIATELY Flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

SKIN: Immediately wash contaminated areas with plenty of water for 15 minutes. Remove contaminated clothing and footwear, and wash clothing before reuse. Discard any clothing that can not be decontaminated. Seek medical attention immediately.

INHALATION: Get person to fresh air. If breathing has stopped, or irritation persists, seek medical attention immediately.

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EMERGENCY FIRST AID

INGESTION: NEVER give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airways clear. Seek medical attention immediately.

FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (MINIMUM):
N/A

AUTOIGNITION TEMPERATURE:
N/A

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION:

Health	Flammability	Reactivity
1	0	0

FLAMMABLE OR EXPLOSIVE LIMITS (approximate percent by volume in air):
Estimated values: N/A

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES:
Foam, water spray (fog), dry chemical, carbon dioxide
extinguishing agents may all be suitable for extinguishing fires involving this type product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. Wear self contained breathing apparatus and full turn out gear. Cool fire exposed containers with water spray. Dried material can burn.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
n/a

"EMPTY CONTAINER WARNING":
Empty containers retain residue (liquid or vapor) and can be dangerous. Do NOT pressurize, weld, cut braze, solder, drill, grind or expose such containers to heat, flame, sparks, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged, and returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

HEALTH AND HAZARD INFORMATION

ROUTES OF EXPOSURE

INHALATION: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor by a hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen if available. If overexposed remove from further exposure.

SKIN CONTACT: In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water.

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HEALTH AND HAZARD INFORMATION

SKIN ABSORPTION: See SKIN CONTACT above.

EYE CONTACT: If splashed into eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

INGESTION: If ingested, do not induce vomiting. Call a physician immediately.

EFFECT OF OVEREXPOSURE: Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to skin irritation and dermatitis; however based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria. Product contacting the eye may cause irritation. Possible aspiration hazard. Induced vomiting may cause aspiration of product into the lungs. Product has low order of oral and dermal toxicity.

PHYSICAL DATA

BOILING POINT ('F)	212
VAPOR PRESSURE (mm Hg)	N/A
VAPOR DENSITY (air=1)	N/A
SOLUBILITY IN WATER	Complete
SPECIFIC GRAVITY (H2O=1)	>1
VOLATILE BY VOLUME	>60%
EVAPORATION RATE	N/A
Ph	11-13

REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: N/A

INCOMPATIBILITY:
Should not be mixed with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, or strong bases such as caustic soda.

HAZARDOUS DECOMPOSITION PRODUCTS:
Fumes, smoke, carbon monoxide and other decomposition products in the case of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: N/A

TOXICITY

ORAL (Acute)	N/E
DERMAL (Acute)	N/E
EYE	N/E
INHALATION (Acute)	N/E
CHRONIC, SUBCHRONIC, ETC.	N/E

Medical Conditions Aggravated by Exposure: Unknown

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TOXICITY

This product does NOT contain any ingredients identified as carcinogenic by IARC, NTP, or OSHA.
This material is not known to contain any chemicals on the SARA Section 313 list at a concentration greater than 1% or carcinogenic chemical on that list at a concentration greater than 0.1%.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep product out of sewers and watercourses by diking or impounding.
Absorb with sand or inert material. Sweep or scoop up and remove. Prevent spread of spill. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas, assure conformity with local regulations.

WASTE DISPOSAL METHOD:

Consult federal, state, or local authorities for proper disposal procedures.

PROTECTION AND PRECAUTIONS

RESPIRATORY PROTECTION: Respiration protection is not required under normal use. Use NIOSH/MSHA approved respirator where dust, mist, or spray may be generated above TLV limit.

VENTILATION: Use adequate local exhaust ventilation where dust, mist, or spray may be generated to maintain level below TLV limit.

GLOVES: Impervious gloves should be worn (ex. rubber or neoprene).

EYE PROTECTION: Chemical safety goggles and/or face shield.

OTHER: Chemical resistant shoes and apron. Safety showers and eyewash facilities should be accessible. All contaminated clothing should be washed with soap and water, and dried before reuse.

HANDLING AND STORAGE PRECAUTIONS:

Do not handle near sparks, flame or oxidants. Minimize breathing vapor, mist, or fumes. Avoid prolonged contact with skin.

OTHER PRECAUTIONS:

Keep container tightly closed when not in use. Wash thoroughly after handling. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Containers must not be used for any other purpose.

EMPTY CONTAINER WARNING: Do not pressurize, weld, cut, solder, grind, etc. or expose such containers to heat, flame, sparks, or other sources of ignition, they may explode and cause injury or death.

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PREPARED BY: Erick Aho

CHEMIST

THE ABOVE INFORMATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE, OR MISUSE BEYOND OUR CONTROL, SELLER MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.