

MERAS ENGINEERING INC 2401 E ORANGEBURG AVE MODESTO, CA 95355

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: 6210 TURBO LUBE

Product Code: 147

Product Use: Lubricant

MERAS ENGINEERING INC
2401 E ORANGEBURG AVE #675
MODESTO, CA 95355
(415)240-4918

24 Hr. Emergency Tel.#: 800-262-8200

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the Substance or Mixture:

Eye Irritation - Category 2
Skin Irritation - Category 2
Carcinogenicity - Category 2



Signal Word: WARNING

Hazard Statements:

Causes serious eye irritation
Causes skin irritation
Suspected of causing cancer

Precautionary Statements:

Prevention

Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection.
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood

Response

IF ON SKIN: Wash with soap and water.
IF SKIN IRRITATION OCCURS: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
IF EYE IRRITATION PERSISTS: Get medical advice/attention.
IF exposed or concerned: Get medical advice/attention
Specific treatment (see section 4 First Aid).

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:

No other hazards classified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Synonym	CAS Number	Concentration
COCAMIDE DIETHANOLAMINE	COCO DEA	68603-42-9	8-10%
DIETHANOLAMINE	DEA	111-42-2	4-6%

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SECTION 4 - FIRST-AID MEASURES

Inhalation: Get medical advice/attention if you feel unwell or are concerned.

Skin Contact: Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water with a flushing duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. If eye irritation persists: Get medical advice/attention.

Ingestion: If exposed, if you feel unwell, or if concerned: Call a POISON CENTER/doctor.

Most Important Symptoms and Effects, both Acute and Delayed: Contact with skin/eyes may cause irritation or severe burns and scarring with great exposures.

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, powder, foam, carbon dioxide.

Special hazards arising from the substance or mixture: No special hazards known

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Non flammable

Hazardous Combustion Products: Toxic nitrogen oxides, Carbon oxides.

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: This chemical is non hazardous

Methods and materials for containment and cleaning up: SMALL SPILLS (less than 1 gallon): May be flushed to an approved sewer line (with large amounts of water). Larger spills should be absorbed and collected for disposal. Ensure adequate decontamination of tools and equipment following clean up.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Conditions for Safe Storage: Keep product in tightly closed container when not in use. Do not drop, roll or skid drum.

Incompatible Materials: Acids, bases and strong oxidizers.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and engineering measures: No additional ventilation needed

Respiratory Protection: No additional respiratory protection needed

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear safety glasses, goggles and/or face shield to prevent eye contact.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

Exposure Limits: Diethanolamine (CAS #111-42-2) ACGIH TWS = 1 mg/m³, OSHA PEL = 10 mg/m³.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow, clear liquid

Odor: Odorless

pH: 9.0-10.0

Melting/Freezing point: No information available.

Initial boiling point and boiling range: No information available.

Flammability (solid, gas): Non flammable.

Specific gravity: 1.04 g/mL

Solubility in water: Complete

Decomposition temperature: No information available.

Viscosity: 800-900 cSt at 20°C / 68°F

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SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Non reactive

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Incompatible materials

Incompatible Materials: Avoid acids or strong oxidizers when using or storing this product.

Hazardous Decomposition Products: Carbon oxides and nitrogen oxides

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - Inhalation: NO

Routes of entry - Skin & Eye: YES

Routes of entry - Ingestion: YES

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Inhalation: Not a respiratory irritant.

Ingestion: May cause irritation to digestive system

Skin: May cause skin irritation including redness, edema, swelling, rash, scaling or blistering, drying and/or cracking of skin.

Eye: May cause redness, stinging, tearing, swelling, itching and/or irritation of the eye. Possible eye damage if left untreated.

Potential Chronic Health Effects:

Mutagenicity: No known effects in humans or animals

Carcinogenicity: WARNING! Both Cocamide DEA (CAS 68603-42-9/68155-07-7) and Diethanolamine (CAS 111-42-2) are considered "2B-Possibly carcinogenic to humans" by IARC. Diethanolamine (CAS 111-42-5) is considered "A3-Confirmed animal carcinogen with unknown relevance to humans" by ACGIH. Both Cocamide DEA (CAS 68603-42-9/68155-07-7) and Diethanolamine (CAS 111-42-2) are listed in CA Prop 65 as chemicals known to The State of California to cause cancer.

Reproductive effects: No known effects in humans or animals

Sensitization to material: Not known to cause sensitization in humans or animals

Toxicological data: The calculated ATE values for this mixture are:

ATE oral = >10000 mg/kg

ATE dermal = No information available

ATE inhalation = No information available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and degradability: Not expected to persist. Readily biodegradable.

Bioaccumulation potential: Not expected to bioaccumulate.

Mobility in soil: No information available.

Other adverse effects: None known.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: Not a listed RCRA hazardous waste.

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SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information: Non-hazardous material.

Environmental hazards: Not a Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

US CERCLA reportable quantity (RQ): Non Regulated Material

SARA Title III: Not applicable

SECTION 16 - OTHER INFORMATION

Legend:

SARA: The Superfund Amendments and Reauthorization Act

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

CFR: Code of Federal Regulations

DOT: Department of Transportation

ATE: Acute Toxicity Estimate

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