

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** Lactane
- **Manufacturer:** Deep South Chemical, Inc.
229 Millstone Road
Broussard, LA 70518 (337) 837-9931
- **For Emergency :** Call CHEMTREC 1-800-424-9300
Outside the U.S.A. (703)-527-3387
- **Contact Person:** Glenn Ray
- **MSDS Revised:** January 1, 2014
- **HMIS RATING:** Health (1) Fire (3) Reactivity (0)



SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Light Hydrotreated Distillate	68410-97-9	100 %			

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

- * **WARNING:** Flammable Liquid and Vapor. The Flash Point is <100 degrees F.
- * This product is a clear, water-white, light hydrocarbon liquid.
- * It has a solvent petroleum odor. The product floats on water.
- * When burned the product produces carbon monoxide and other asphyxiants during combustion.
- * Harmful if inhaled and may cause delayed lung injury.
- * Aspiration hazard if swallowed - can enter lungs and cause damage.
- * Keep away from heat, sparks, and flame.
- * This product can produce static electricity during transfer and storage. Extra precautions should be taken.
- * Avoid breathing vapor. Use ventilation to keep vapor below exposure limits.
- * Avoid contact with eyes, skin and clothing. Material splashed into the eyes will irritate tissues.
Gently flush material from eyes with clean water.
- * Unprotected exposure to this product will cause skin dryness.
- * Remove product soaked clothing and wash with mild soap.
- * As with any petroleum product, avoid mixing this product with strong oxidizers.
- * This product is not listed on the NTP, IARC, OSHA, or ACGIH lists of suspected/confirmed carcinogens.
- * This product may be toxic to fish but will be toxic to birds and wildlife through ingestion during pelage cleaning.
- * This product is readily biodegradable in the presence of air and sunlight.
- * Spilled material is slippery and may cause falls.

SECTION 4. FIRST AID MEASURES

PRIMARY ROUTE(S) OF ENTRY

Skin.

EYES

Tests on similar materials suggest acute irritation be expected.



SKIN

Tests on similiar materials indicate acute irritation is expected to occur upon short-term exposure, chronic dermatitis on prolonged contact.

INGESTION

ACUTE ASPIRATION HAZARD. Tests on similar materials indicate possibility of the following symptoms: headache, nausea, drowsiness, fatigue, pneumonitis, pulmonary adema, central nervous system depression, convulsions, and loss of consciousness.

INHALATION

Tests on similiar material indicate the possibility of the following symptoms: headache, nasal and respiratory irritation, nausea, drowsiness, breathlessness, fatigue, central nervous system depression, convulsions, and loss of consciousness.

CHRONIC (CANCER INFORMATION)

Prolonged and/or repeated contact with this material may produce skin irritation and inflammation. Carcinogen listed by : National Toxicology Program (No)

CHRONIC (CANCER INFORMATION) - Continued

I. A. R. C. (NO)
OSHA (NO)
ACGIH (NO)

This product does not require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT: >20°F >6°C Tag Closed Cup

AUTOIGNITION: 399°F - 403°F

FLAMMABILITY CLASS: 1B

LOWER EXPLOSIVE LIMIT (%): 0.8

UPPER EXPLOSIVE LIMIT (%): 6.7

FIRE AND EXPLOSION HAZARDS

Can form flammable mixtures with air and flash at room temperature or upon slight heat application. Vapors are heavier than air and may travel considerable distance. Explosion hazard in confined spaces if exposed to ignition source. Mists or sprays may be flammable below oil's normal flash point. Keep away from heat or open flame.

EXTINGUISHING MEDIA

Dry Chemical, carbon dioxide, and foam. NOTE: Water, fog and foam may cause frothing and spattering. Water stream may spread fire.

FIRE FIGHTING INSTRUCTIONS

Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection(positive pressure if available). If leak or spill has not ignited, use water spray to disperse the vapors. Products of combustion include fumes, smoke and carbon monoxide.



SECTION 6. ACCIDENTAL RELEASE MEASURES

Evacuate area and shut off ignition source. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Advise EPA; state agency if required. Absorb on inert material. Shovel, sweep or vacuum spill and place in closed container for disposal.

SECTION 7. HANDLING AND STORAGE

Handling:

DANGER: This product is considered a static-accumulating (non-conductive) flammable or combustible liquid. As a result, it may accumulate a static electric charge that could ignite accumulated vapors. Many non-conductive flammable and combustible liquids form an ignitable vapor-air mixture inside storage tanks. Non-conductive flammable or combustible liquids can accumulate static electricity during transfer and storage, even with proper grounding and bonding. Static sparks can readily ignite vapor-air mixtures within storage tanks. Additional precautions, beyond standard grounding and bonding, may be necessary to prevent static discharge and fire/explosion hazards. Additional measures include, but are not limited to, inerting tank head space with nitrogen, adding anti-static agents, and reducing pump flow velocity during transfer to 1 meter/second or less. Consult NFPA 77, NFPA 69 and API RP 2003 for additional information and preventive measures.

HANDLING: Keep product away from high energy ignition sources, heat, sparks, pilot lights, static electricity, and open flame. Avoid contact with skin. Avoid inhalation of vapors or mists. Use in well ventilated area away from all ignition sources. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Store in a cool area. Store as OSHA Class IB flammable liquid.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

WORK/HYGIENIC PRACTICES

Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use adequate ventilation to keep oil mists of this material below applicable standard(s). See Section on occupational exposure limits.

EYE/FACE PROTECTION

Safety glasses, splash goggles, or face shield as appropriate. Have suitable eye wash water available.

SKIN PROTECTION

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing. Acceptable materials for gloves are neoprene; nitrile; viton.



RESPIRATORY PROTECTION

Up to 1000 ppm, half mask organic vapor respirator. Up to 5000 ppm, full face organic vapor respirator or full face supplied air respirator. Greater than 5000 ppm, fire fighting, or unknown concentration, self contained breathing apparatus with positive pressure should be used.

OTHER/GENERAL PROTECTION

If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).

Maintain local or dilution ventilation to keep air concentration below 100 ppm. Loading, unloading, tank gauging, etc., remain upwind. Request assistance of safety and industrial hygiene personnel to determine air concentrations.

INGREDIENT NAME, CAS #, EXPOSURE LIMITS, PERCENT BY VOLUME

Contains heptanes, CAS number:142-82-5, ACGIH:400ppm, OSHA:500ppm

Contains octanes, CAS number:111-65-9, ACGIH: 300ppm, OSHA: 400ppm

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Clear liquid.

ODOR

Petroleum Naphtha.

ODOR THRESHOLD

N.D.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid

BOILING POINT: IBP >200°F IBP >93°C

MELTING POINT: Not Available.

VAPOR PRESSURE: 34mmHg @ 68°F

VAPOR DENSITY(air=1): 3.8

SPECIFIC GRAVITY @ 60°F(water=1): 0.73

MOLECULAR WEIGHT: 114.5

SOLUBILITY (H₂O): negligible in water

PERCENT VOLATILES:100%

VISCOSITY: Not Available.

Physical data may vary slightly to meet specifications



SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY) Sources of ignition.

INCOMPATIBLE MATERIALS Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS

Incomplete combustion may produce fumes, smoke, carbon monoxide and other asphyxiants.

HAZARDOUS POLYMERIZATION: will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Skin effects

May cause irritation or dermatitis with prolonged and repeated contact.

Oral effects

Tests on similar materials indicate an order of acute oral toxicity.

Inhalation effects

Acute toxicity expected on inhalation.

Medical conditions aggravated by overexposure

Dermatitis and sensitive skin - this product is not listed as carcinogenic or a potential carcinogen by the national toxicology program, by the I.A.R.C. monographs or by OSHA. Nevertheless, good industrial hygienic practices are recommended.

SECTION 12. ECOLOGICAL INFORMATION

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70o F (21o C).

SECTION 13. DISPOSAL CONSIDERATIONS

Product as supplied does not meet the characteristics of a hazardous waste as defined in 40 CFR 261.21-24. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewers. DO NOT dispose of this product in a landfill without prior solidification. Waste product should be recycled. Consider waste brokering.



SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: UN 1268, Petroleum Distillates, nos, Class 3, PG II
HAZARD CLASS: Class 3 Flammable Liquid DOT IDENTIFICATION NUMBER: UN1268
DOT SHIPPING LABEL: DOT Hazardous material

SECTION 15. REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION

SARA 302 Threshold Planning Quantity: NOT APPLICABLE

SARA 304 Reportable Quantity: NOT APPLICABLE

SARA TITLE III - Section 311/312 Hazard classes:

- Immediate/Acute Health Effects: yes
- Delayed/Chronic Health Effects: no
- Fire Hazard: yes

- Sudden Release of Pressure Hazard: no
- Reactivity Hazard: no

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

SARA TITLE III - Section 313 Supplier notification:

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and reauthorization Act of 1986 and 40 CFR Part 372: Cyclohexane Up to 2.0%.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): No chemicals in this product are subject to the reporting requirements of CERCLA Section 101(14)(F). When this product is used in a mixture, or as an ingredient in another product, or in a manufacturing operation, the petroleum exclusion may terminate and an accidental spill may require reporting to the National Response Center.

CANADIAN REGULATORY INFORMATION

The components of this product are on the Canadian (DSL) Domestic Substances List.

EUROPEAN (ECC) REGULATORY INFORMATION

The components of this product are listed on the European Inventory of Existing Commercial Substances.

EINECS#270-093-2

SECTION 16. OTHER INFORMATION

Disclaimer:

WE CANNOT ANTICIPATE ALL CONDITIONS UNDER WHICH THIS INFORMATION AND OUR PRODUCTS, OR THE PRODUCTS OF OTHER MANUFACTURERS IN COMBINATION WITH OUR PRODUCTS MAY BE USED. WE ACCEPT NO RESPONSIBILITY FOR RESULTS OBTAINED BY THE APPLICATION OF THIS INFORMATION OF THE SAFETY AND SUITABILITY OF OUR PRODUCTS, EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS. USERS ARE ADVISED TO MAKE THEIR OWN TESTS TO DETERMINE THE SAFETY AND SUITABILITY OF EACH PRODUCT OR PRODUCT COMBINATION FOR THEIR OWN PURPOSES. UNLESS OTHERWISE OBTAINED IN WRITING, WE SELL THE PRODUCTS WITHOUT WARRANTY, AND BUYERS AND USERS ASSUME ALL RESPONSIBILITY AND LIABILITY FOR LOSS OR DAMAGE ARISING FROM HANDLING AND USE OF OUR PRODUCTS, WHETHER USED ALONE OR IN COMBINATION WITH OTHER PRODUCTS.

N/D=NO DATA; N/A=NOT APPLICABLE; N/E = NOT ESTABLISHED

