

MATERIAL SAFETY DATA SHEET FOR SPINNERET 110 - SAFEGARD

TOTAL Lubricants USA, Inc.
5 N. Stiles Street
Linden NJ 07036

REVISION DATE
08-MAR-06

DATE ISSUED
27-NOV-06

IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME:
SPINNERET 110 - SAFEGARD

PRODUCT #:
800535

CHEMICAL NAME:
N/A - Mixture

CAS #'S:
Mixture

PRODUCT APPEARANCE AND ODOR:
Clear, colorless liquid, faint ether
like odor

CHEMICAL FAMILY:
Hydrochlorofluorocarbons

SYNONYMS:
Spinnerette lubricant

EMERGENCY TELEPHONE:
1-908-862-9300

COMPONENTS AND HAZARD INFORMATION

COMPONENTS: W/W HAZARD DATA (TLV, LD50, LC50, ETC.):

1,1-Dichloro-1-fluoroethane 500 ppm TWA (recommended)
CAS No. 1717-00-6

Dimethylpolysiloxane n/e
CAS No. 63148-62-9

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

Health	Flammability	Reactivity
2	1	0

TRANSPORTATION INFORMATION

TRANSPORTATION INFORMATION:

DOT SHIPPING INFO:

AEROSOLS, Class 2.2 (Non-Flammable Gases)

UN 1950, PG None

Note: see 49 CFR 173.306 for Limited Quantity provisions

EMERGENCY FIRST AID

CAUTION: Aerosol spray can cause mechanical damage to eyes and skin.

EYE CONTACT:

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

SKIN CONTACT:

In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water. If irritation develops, call a physician. Treat burned or frostbitten skin by flushing with lukewarm

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EMERGENCY FIRST AID

water. Seek immediate medical attention.

INHALATION:

If overcome by vapor, remove from exposure, keep patient warm and at rest, and call a physician immediately.

If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

INGESTION:

If ingested, DO NOT induce vomiting, possible aspiration hazard. Give water and call a physician immediately. Do not give anything by mouth to an unconscious person.

FIRE AND EXPLOSION HAZARD INFORMATION

WARNING: Contents are under pressure in aerosol cans.
Keep away from heat, sparks, and flame. Store below 130°F (54°C). Do not puncture or incinerate as can may burst.

FLASH POINT (MINIMUM):
NONE

AUTOIGNITION TEMPERATURE:
N/E

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION:

Health	Flammability	Reactivity
2	1	0

FLAMMABLE OR EXPLOSIVE LIMITS: LEL: 7.4% UEL: 15.5%

EXTINGUISHING MEDIA: Water spray (fog), carbon dioxide, dry chemical, or water stream.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Incomplete combustion and thermolysis produce rather toxic and corrosive gases such as CO, CO₂, HF, HCl, chlorine, and other decomposition products, in the case of incomplete combustion.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Self-contained breathing apparatus and turn out gear.

SPECIAL INTERVENTION METHOD(S): Use water spray to cool exposed containers.

"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.

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HEALTH AND HAZARD INFORMATION

EXPOSURE LIMIT FOR TOTAL PRODUCT: N/E

ROUTES OF ENTRY: Inhalation, skin and eyes.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE FOR PROPELLANT:

INHALATION: Inhalation of high concentrations of vapors is harmful and can effect the central nervous system causing drowsiness, unconsciousness, head ache, respiratory depression and death due to asphyxiation. This compound also increases the sensitivity of the heart to adrenalin, possibly resulting in rapid heartbeat (tachycardia), irregular heartbeat (cardiac arrhythmias), and depression of cardiac function. Persons with preexisting heart disease may be at increased risk from exposure.

SKIN CONTACT: Skin contact can cause irritation, defatting of skin and dermatitis. Spray may cause frostbite or burns. Chemical itself is not an irritant or sensitizer.

EYE CONTACT: Eye contact with the vapor may produce eye irritation.

INGESTION: Ingestion is not considered a potential route of exposure.

PHYSICAL DATA

The following data are approximate or typical values and should not be used for precise design purposes.

BOILING POINT: 89.6°F

VAPOR PRESSURE @68°F: 10 PSIA

VAPOR DENSITY (AIR=1): 4

SPECIFIC GRAVITY (H2O=1): 1.24

% VOLATILE BY VOLUME: approx. 90

EVAPORATION RATE: N/E

SOLUBILITY IN WATER: Slight

REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Open flames and high temperatures (thermal decomposition).

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Alkali or alkaline earth metals, powdered aluminum, magnesium or zinc and strong oxidizers.

DECOMPOSITION PRODUCTS: Some components of this product can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.), producing HF, HCl, CO, CO₂, chlorine, and other decomposition products in the case of incomplete combustion.

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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: Persons with preexisting heart disease may be at increased risk from exposure.

This product does NOT contain any ingredients identified as carcinogenic by IARC, NTP, or OSHA.

SARA Section 313 Status: This product contains the following reportable substance:

Chemical name	CAS #	%
1,1-Dichloro-1-fluoroethane	1717-00-6	90

SPILL OR LEAK PROCEDURES

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

Evacuate area until gas has dispersed. Wear self-contained breathing apparatus (SCBA) for large spills or leaks. Eliminate all sources of ignition in the vicinity of spill or released vapors. Absorb residual material with inert material (such as sand) and place into a drum for waste disposal. Notify applicable authorities if product has entered sewers, watercourses, etc.

WASTE DISPOSAL METHOD: (Consult federal, state, or local authorities for proper disposal procedures.)

Completely empty containers may be disposed of with other solid waste in accordance with applicable Federal, State, and Local regulations.

PROTECTION AND PRECAUTIONS

VENTILATION:

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapors in air. No smoking, flame or other ignition sources.

RESPIRATORY PROTECTION: (Use only NIOSH/MSHA approved equipment.)

Use supplied air respiratory protection in confined or enclosed spaces, if needed.

PROTECTIVE GLOVES:

Use chemical-resistant gloves, if needed, to avoid skin contact.

EYE PROTECTION:

Use splash goggles or face shield when eye contact may occur. Chemical safety glasses with side shield is recommended.

OTHER PROTECTIVE EQUIPMENT:

Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in skin contact.

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WORK PRACTICES/ENGINEERING CONTROLS:

Contents under pressure. Use with adequate ventilation. Protect container against physical damage. Store in a cool, dry area away from sources of heat. Do not store above 120°F. Do not remove or deface label. Use good industrial hygienic practices.

PERSONAL HYGIENE:

Minimize breathing vapor, mist, or fumes. Avoid contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

PREPARED BY: Steve Smith

REGULATORY MANAGER

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