SAFETY DATA SHEET

LAYRITE GROOMING SPRAY

Revision: 1
Revision Date: 5/16/2018

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Layrite Grooming Spray
Description: Leave on texturizing spray for hair

Manufacturer: Liquid Technologies, Inc
14425 Yorba Avenue
Chino, CA 91710

Telephone 800-424-9300 CHEMTREC US
Fax 703-527-3887 CHEMTREC INTERNATIONAL COLLECT CALLS ACCEPTED

Section 2. HAZARDS IDENTIFICATION

GHS Classification:

Flammable Liquids: Category 2
Eye Irratation: Category 2A

Hazard symbols:

Signal Word: Danger

Hazard statements: H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary Statements: P210 - Keep away from extremely high or low temperatures, ignition sources, and incompatible materials. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact len if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice attention.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam,

dry chemical or carbon dioxide for extinction.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents container in accordance with local regional national territorial, provincial, and international regulations.

Other hazards: P102 Keep away from children
P103 Read label before use

Storage P403 + P405 + P235 Store locked up in a well-ventilated place. Keep cool.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

INCI Name	Conc.	CAS	EINECS	
Water/Aqua/Eau	<30%	7732-18-5	231-791-2	
SD Alcohol 40-B	50%	n/a	n/a	
PVP	>1-3%	9003-39-8	n/a	
Fragrance/Parfum	>0.3-1%	n/a	n/a	
Yellow 5/ CI 19140	≤0.1%	1934-21-0	n/a	
t-Butyl Alcohol	≤0.1%	75-65-0	200-889-7	
Denatonium Benzoate	≤0.1%	3734-33-6	223-095-2	
Coumarin	0.02907%	91-64-5	202-086-7	Allergens

Full text of hazard classes and H-statements : see section 16

Section 4. FIRST AID MEASURES

First-aid measures general: Check the vital functions.
Unconscious: maintain adequate airway and respiration.
Respiratory arrest: artificial respiration or oxygen.
Cardiac arrest: perform resuscitation.
Victim conscious with labored breathing: half-seated.
Victim in shock: on his back with legs slightly raised.
Vomiting: prevent asphyxia/aspiration pneumonia.
Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
Never give alcohol to drink.

First-aid measures after inhalation: Remove the victim into fresh air.
Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact: Rinse with water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

First-aid measures after eye contact: Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

First-aid measures after ingestion: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you

	feel unwell. Ingestion of large quantities: immediately to hospital.
Symptoms/effects after inhalation:	EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Dry/sore throat. Central nervous system depression. Dizziness. Headache. Narcosis.
Symptoms/effects after skin contact:	Dry Skin
Symptoms/effects after eye contact:	Irration of the eye tissue
Symptoms/effects after ingestion:	AFTER ABSORPTION OF LARGE QUANTITIES: Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea. Vomiting. Abdominal pain. Disturbed motor response. Disturbances of consciousness. FOLLOWING SYMPTOMS MAY APPEAR LATER: Body temperature fall. Slowing respiration.

Section 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Alcohol-resistant foam, carbon dioxide, dry chemical, water spray, fog.
Unsuitable extinguishing media:	Solid water jet ineffective as extinguishing medium.
Fire hazard:	DIRECT FIRE HAZARD. Highly flammable. Gas/vapor flammable with air within explosion limits. INDIRECT FIRE HAZARD. May be ignited by sparks. Gas/vapor spreads at floor level: ignition hazard.
Explosion hazard:	DIRECT EXPLOSION HAZARD. Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD. may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".
Reactivity upon combustion:	CO and CO2 are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage/in large quantities: may form peroxides.

Special protective equipment and precautions for fire-fighters

Firefighting instructions:	Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.
Protection during firefighting:	Heat/fire exposure: compressed air/oxygen apparatus.

Section 6. ACCIDENTAL RELEASE MEASURES

Protective equipment:	Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus.
Emergency procedures for non emergency personnel:	Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.
Emergency procedures for emergency personnel:	Stop leak if safe to do so. Ventilate area. If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.
Environmental precautions:	Prevent spreading in sewers.

Methods and material for containment and cleaning up

For containment:	Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
Methods for cleaning up:	Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone. Scoop absorbed substance into closing containers. Do not use compressed air for pumping over spills. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

Section 7. HANDLING and STORAGE

Precautions for safe handling:	Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition. Do not breathe mist/vapors/fumes/spray. Wash hands throughly after using substance KEEP SUBSTANCE AWAY FROM: oxidizing agents. strong acids. (strong) bases. amines. halogens
Conditions for safe storage:	Keep in a cool, dry well ventilated place. Protect containers from extreme temperatures and damage. Store in correctly labeled containers in a hygienic environment. Avoid high temperatures. Do not exceed 32.2ºC

Section 8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Ethanol (SD Alcohol 40B)	ACGIH STEL (ppm)	1000ppm
	OSHA PEL (TWA) (mg/m³)	1900 mg/m³
	OSHA PEL (TWA) (ppm)	1000 ppm
	NIOSH REL (TWA) (mg/m³)	1900 mg/m³
	NIOSH REL (TWA) (ppm)	1000 ppm
	US IDLH (ppm)	3300 ppm (10% LEL)

Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation

Personal Protective Equipment:
Safety Glasses. Gloves. Protective clothing. Face Shield. High gas/vapor concentration: gas mask with filter type A

Materials for Protective Clothing:
Give Excellent Resistance: Butyl Rubber. Nitrile Rubber. Viton. Polyethylene/ethylenevinylalcohol.
Give Good Resistance: Neoprene.
Give Less Resistance: PVC. Neoprene/natural rubber
Give Poor Resistance: Natural Rubber. Polyethylene. PVA

Hand Protection: Gloves
Eye Protection: Safety Glasses
Skin and Body Protection: Protective Clothing
Respiratory Protection: Wear gas mask with filter type A if conc. in air > exposure limit

Section 9: PHYSICAL and CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Clear, yellow, water-thin liquid
Color: Yellow
Odor: Fragrance Characteristic
pH: 4.0-5.0
Melting point: n/a
Freezing point: - 173 °F (78.3 °C) Ethanol (SD Alcohol 40B)
Boiling Point 173 °F (78.3 °C) Ethanol (SD Alcohol 40B)
Flash Point: 55 °F (12 °C)
Vapor Pressure: 44.6 mm Hg at 20°C (68°F) Ethanol (SD Alcohol 40B)
Auto-Ignition temp: 685.4ºC (363ºF) Ethanol (SD Alcohol 40B)
Specific Gravity: 0.85-0.95
Water Solubility Soluble
Explosion Data

Sensitivity to Mechanical Impact: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data
Sensitivity to Static Discharge: Static discharge could act as an ignition source.

Section 10. STABILITY and REACTIVITY

Stability: Stable under normal conditions
Reactivity: Upon combustion: CO and CO2 are formed. Violent to explosive reaction with (strong) oxiders
Possibility of Hazardous reactions: Hazardous polymerization will not occur.
Conditions to avoid: Direct Sunlight. High Temperature. Incompatible materials. Open flame. Sparks
Incompatibility materials: Strong acids. Strong bases. Strong oxidizers. Silver salts. Acid chlorides. Alkali metals. Metal hydrides. Hydrazine.
Hazardous Decomposition: Carbon Dioxide. Carbon Monoxide

Section 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation; skin and eye contact

Toxicity Data: This product has NOT been tested on animals. Toxically data, found in scientific literature, is available for some of the components of the product and is listed below:

Ethanol (SD Alcohol 40B)	LD50 Oral Rat	10470 mg/kg
	LD50 Dermal Rat	20 ml/kg
	LC50 Inhalation Rat	124.7 mg/l/4h

Acute Toxicity: Not classified
LD50 and LC50 Data: Not classified
Carcinogenicity: Not classified
Skin Corrosion: Not classified
Serious Eye Damage/irration: Causes serious eye irration
Respiratory or skin sensitization: Not classified
Germ Cell mutagenicity: Not classified
Specific Target Organ Toxicity: Not classified
Reproductive Toxicity: Not classified
Aspiration Hazard: Not classified

Section 12. ECOLOGICAL INFORMATION

Ecology- General: Readily bioldegrades. Evaporates to moderate extent. Does not bioaccumulate.

Section 13. DISPOSAL CONSIDERATIONS

General Information: Dispose of in accordance with all local and national regulations
Packaging Disposal: Containers can be recycled in compliance with all local and national regulations

Section 14. TRANSPORT INFORMATION

Department of Transporation (DOT)

Transport document description:	UN 1170 Ethyl Alcohol Solution, 3, PG II
UN-No. (DOT):	UN 1170
Proper Shipping Name:	Ethyl Alcohol Solution
Transport Hazard Class:	3- Class 3- Flammable and combustible liquid 49 CFR 173.120
Packaging group (DOT):	II- Medium Danger
Hazard lablels (DOT):	3- Flammable Liquid
ERG Number:	127
49 CFR (GND):	UN 1170, Ethyl Alcohol Solution,3, PG II (LTD QTY inner packaging ≤ 1.0 L) or Consumer Commodity, ORM-D (Inner packaging ≤ 1.0 L)- until 12/31/20
IATA (AIR):	UN 1170, Ethyl Alcohol Solution,3, PG II (LTD QTY Inner packaging ≤ 5.0 L passenger air craft) (LTD QTY Inner packaging ≤ 60.0 L cargo air craft) ID8000, Consumer Commodity, 9 (Inner packaging ≤ 0.5 L)
IMDG (OCN):	UN 1170, Ethyl Alcohol Solution,3, PG II (LTD QTY inner packaging ≤ 1.0 L)
DOT Vessel Stowage Location:	A- the material may be stowed “on deck” or “under deck” on a cargo vessel or on a passenger vessel
Marine Pollutant:	NO
Other information:	MFAG Table #305

Section 15. REGULATORY INFORMATION

US Regulations:

SARA Section	Specially Denatured Alcohol (SDA) 40-B, 200 proof
311/312 Hazard Classes:	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure)

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Canada Regulations: Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Class B Division 2 - Flammable Liquid

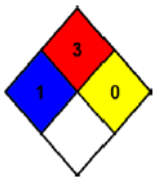
EU Regulations: No additional information

National Regulations: No additional information

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer or reproductive harm for more information go to www.P65Warnings.CA.GOV. January 1st directive

Section 16. OTHER INFORMATION

H225: Highly flammable liquid and vapour
H319: Causes serious eye irration
H335: May cause respiratory irration



NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity: 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating
Health: 1 Slight Hazard- Irration or minor reversible injury possible

Flammability: 3 Serious Hazard- Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)

Physical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection: H- Splash goggles, Gloves, Synthetic apron, Vapor respirator

Further Information	The information supplied in the Safety Data Sheet is designed only as guidance for the safe use and handling of the product. The information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy.