



SAFETY DATA SHEET

Liquid Diamond

Revision Date 7/21/2016

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Liquid Diamond **Item** LD
Product Use Aircraft Paint Sealant
Company Name Jet Stream Aviation Products **Office** (972) 542-2400
1971 University Business Dr. Suite 102 **Fax** (972) 542-0238
McKinney Tx 75071 **Web** www.jetstreamproducts.com
EMERGENCY TELEPHONE NUMBER **INFOTRAC** **(800) 535-5053**

SECTION - 2 HAZARDS INFORMATION

Physical Hazards FLAMMABLE LIQUIDS-Category 3
Health Hazards STOT SINGLE EXPOSURE-Category 3
Environmental ACUTE-Aquatic Toxicity-Category 2; CHRONIC-Aquatic Toxicity-Category 2



Flammables



Narcotic Effects

Warning Flammable liquid and vapor, (Vapor may flash when heated in presence of flame, Liquid does not sustain combustion, Not Regulated by DOT)
May cause drowsiness or dizziness
May cause eye or skin irritation, May be harmful if swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation, or inhale dust, Do not smoke, eat or drink while using, Use personal protective equipment as required, and adequate ventilation, Wash thoroughly with soap and water after handling, Avoid release into the environment

SECTION - 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Mineral Spirits	Stoddard Solvent, Short-range Mineral Spirits	8052-41-3		20 - 30%

SECTION - 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for several minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid
SKIN CONTACT Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation occurs or persists seek medical aid
INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention
INGESTION DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out and give one to two glasses of water to dilute and obtain immediate medical attention
Aspiration Hazard Not considered to be an aspiration hazard due to product viscosity. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes May cause eye irritation
Skin May cause skin irritation
Inhalation Dust may cause irritation, Vapor or fumes may cause mild irritation
Ingestion May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes May cause eye irritation, discomfort, redness, tearing, burning sensation
Skin May cause skin irritation, itching, redness, burning, drying or cracking
Inhalation Dust may cause irritation, Vapor or fumes may cause irritation, headache, dizziness or drowsiness, May affect target organs
Ingestion May be harmful if swallowed, May cause irritation, of the mouth, and throat, May affect target organs

SECTION - 5 FIRE FIGHTING MEASURES

Extinguishing Media Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials
Hazardous Decomposition Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes
Reactive With Reactive with, strong oxidizing agents, strong bases, strong acids
Explosion Hazards Containers may erupt when heated excessively during a fire
Static Discharge May ignite product
Mechanical Impact Not applicable
Protective Equipment Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Eliminate ignition sources and ventilate area, Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Gloves
Containment	Use sand or inert non-combustible absorbent pads to prevent spill from spreading
Clean Up Procedures	Do not flush liquid in public sewer, water systems or surface waters, Recover as much as possible and absorb remainder with inert material, Place into labeled containers and store in safe locations for proper disposal, Mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Keep away from incompatible materials, heat, sparks, electrical equipment, fire and all ignition sources, Use appropriate safety equipment, and adequate ventilation, Avoid eye or skin contact and inhalation of mist, vapor or fumes, Avoid inhalation of dust, May be harmful if swallowed, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store in a cool dry place away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Store below 49°C (120°F) and in accordance with Class II Combustible Liquids (GHS Category 3)
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, strong acids

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Mineral Spirits	100 ppm (525 mg/m ³)		500 ppm (2900 mg/m ³)		CNS

PERSONAL PROTECTIVE EQUIPMENT

Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Dust Mask

Ventilation

General Ventilation

If exposure limits listed above are exceeded, or irritation is experienced, use a MSHA / NIOSH approved dust mask or respirator

HMIS HAZARD RATINGS

Health	1
Flammability	2
Reactivity	0
Personal Protection	E

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	53.8°C (128.9°F) - Pinsky-Marten Closed Cup	Specific Gravity / Density	1.15
Flammable Limits	Does not sustain combustion (ASTM D4206)	pH (± 0.3)	ND
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Viscous Liquid	Freeze Point	-14°C (-26°F)
Appearance	Opaque Tan	Boiling Point	ND
Odor	Light Solvent	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	< 70%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 88%	Partition Coefficient	ND
VOC	< 30%	Molecular Weight (g/mol)	ND
LVP-VOC	0.0%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Heat sources, sparks, flame or static discharge and incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes "Vapor, Fumes or Dust")

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes May cause eye irritation
Skin May cause skin irritation
Inhalation Dust may cause irritation, Vapor or fumes may cause mild irritation
Ingestion May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes May cause eye irritation, discomfort, redness, tearing, burning sensation
Skin May cause skin irritation, itching, redness, burning, drying or cracking
Inhalation Dust may cause irritation, Vapor or fumes may cause irritation, headache, dizziness or drowsiness, May affect target organs
Ingestion May be harmful if swallowed, May cause irritation, of the mouth, and throat, May affect target organs

Acute Tox Calculated **Oral:** > 5,000 mg/kg **Dermal:** > 5,000 mg/kg **Inhaled:** > 20.0 mg/L

Acute Tox Category Not applicable (Oral >5000 mg/kg), Not applicable (Dermal >5000 mg/kg), Not applicable (Inhaled >20 mg/L) Vapors

Additional Info

Target Organs Kidneys, Respiratory Tract, Lungs, Skin, Central Nervous System, Eyes
Medical Conditions Preexisting, eye, skin, kidney, respiratory, lung, disorders may be aggravated by exposure to this product
Notes to Physician In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption, Contains petroleum distillates, vomiting may cause aspiration pneumonia

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Mineral Spirits	LD50	Oral	Rat	5,000 mg/kg		(>2000 mg/kg)
	LD50	Inhaled	Rat	11 mg/L	4 Hours (Mist)	(>5 mg/L)
	LD50	Dermal	Rabbit	> 3,000 mg/kg		(>2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Mineral Spirits	LD50	Bluegill Sunfish	(Lepomis macrochirus)	4.2 mg/L		2 (>1, ≤10 mg/L)
	EC50	Water Flea	(Daphnia magna)	2.3 mg/L		2 (>1, ≤10 mg/L)
	EC50	Green Algae	(Pseudokirchnerella s.)	1.2 mg/L		2 (>1, ≤10 mg/L)

Presistence And Degradability Hydrocarbons from this product which do partition to air are expected to rapidly photodegrade

Bioaccumulative Potential There is no evidence to suggest bioaccumulation will occur

Mobility In Soil This material is a partially mobile liquid

Other Adverse Effects Toxic to aquatic life with long lasting effects

SECTION – 13 DISPOSAL CONSIDERATIONS


DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

ENVIRONMENTAL FATE

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION**

<u>UN Number</u>	<u>Proper Shipping Name</u> n.o.s. (Chemicals) or "Limits"						<u>Hazard Label</u>	<u>Secondary</u>
Ltd Qty	"Limited Quantity" "Inner packaging not over 5.0 Liters (1.3 gallons)"							
<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>	
None	None	None	None	128	No			
Additional Info:	Shipping information for: (Pints, Quarts and Gallons), Liquid does not sustain combustion by the prescribed procedure in the 49 CFR §173.120(b)(3)							

SECTION – 15 REGULATORY INFORMATION

<u>TSCA</u>													
<u>CHEMICAL NAME</u>	<u>Sec 8(b) Inventory</u>			<u>Sec 8(d) Health And Safety</u>			<u>Sec 4(a) Chemical Test Rules</u>			<u>Sec 12(b) Export Notification</u>			
Mineral Spirits	Yes												
<u>REPORTABLE QUANTITIES</u>													
<u>CHEMICAL NAME</u>	<u>Extremely Hazardous</u>		<u>Reportable Quantity</u>			<u>Emission Reporting</u>							
None Listed	<u>EPCRA TPQ Sec 302</u>	<u>EPCRA RQ Sec 304</u>	<u>CERCLA RQ Sec 103</u>			<u>TRI Sec 313</u>			<u>RCRA Code</u>	<u>RMP TQ Sec 112r</u>			
<u>SARA</u>													
<u>CHEMICAL NAME</u>	<u>Section 311</u>				<u>Section 311 / 312 Hazards</u>								
	<u>Hazardous Chemical</u>		<u>Acute</u>		<u>Chronic</u>		<u>Flammable</u>		<u>Pressure</u>		<u>Reactive</u>		
Naphthol Spirits	Yes		Yes		Yes		Yes						
<u>RIGHT TO KNOW</u>													
<u>CHEMICAL NAME</u>	<u>STATE</u>												
	<u>CA</u>	<u>CT</u>	<u>FL</u>	<u>IL</u>	<u>LA</u>	<u>NJ</u>	<u>NY</u>	<u>PA</u>	<u>MI</u>	<u>MN</u>	<u>MA</u>	<u>RI</u>	<u>WI</u>
Naphthol Spirits	Yes					Yes		Yes		Yes	Yes	Yes	
<u>CALIFORNIA</u>													
<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>WARNING! This product contains chemicals known to the state of California to cause:</u>											
None Listed		<u>Birth Defects</u>	<u>Reproductive Harm</u>				<u>Carcinogen</u>			<u>Developmental</u>			
<u>CLEAN AIR WATER ACTS</u>													
<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Clean Air Acts</u>				<u>Clean Water Acts</u>							
Naphthol Spirits	8052-41-3	<u>HAP</u>	<u>Ozone Class 1</u>		<u>Ozone Class 2</u>		<u>HS</u>	<u>PP</u>		<u>TP</u>			
							(Oil)						
<u>INTERNATIONAL REGULATIONS</u> – The components of this product are listed on the chemical inventories of the following countries:													
<u>CHEMICAL NAME</u>	<u>Australia</u>	<u>Canada</u>	<u>Europe (EINECS)</u>			<u>Japan</u>	<u>Korea</u>			<u>UK</u>			
Naphthol Spirits	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
<u>WHMIS Classification</u>													
<u>CHEMICAL NAME</u>	<u>DSL</u>	<u>Class</u>	<u>Description</u>										
Mineral Spirits	Yes	B-3	Combustible Liquids; Flashpoint ≥ 37.8° C (100°F) ≤ 93.3°C (200°F)										

SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NFPA	National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

Jet Stream Aviation Products

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