

DALY'S SATIN THANE ™

Supersedes: 01-10-2001

1. Identification

Product identifier			
Other means of identification			
SDS number			
Synonyms			
Recommended use			
Recommended restrictions			

Daly's Satin Thane™

13 14700 Not available. Not available.

Manufacturer/Importer/Supplier/Distributor information

Man	ufactui	er/Su	nnlier
IVIAII	ulatiui	ci/Ju	ppiici

General Assistance E-Mail Contact Person Emergency Telephone Daly's Wood Finishing Products 4522 S 133rd St Tukwila, WA 98168. (206) 244-8844, toll free: (800) 727-9694 info@dalyswoodfinishes.com Not available. Chemtrec : 800-424-9300

2. Hazard(s) Identification

Physical hazards Health hazards	Flammable liquids Skin corrosion/irritation Carcinogenicity Specific target organ toxicity, single exposure; Narcotic effects, Aspiration hazard	Category 3 Category 2 Category 2 Category 3 Category 1
Label elements		
Signal word	Danger	
Unknown Toxicity	70 % of the mixture consists of ingredient(s) of unknown toxicity.	
Hazard statement	Flammable liquid and vapor. Causes skin irritation. Suspected of causing cancer. May cause drowsiness or dizziness. May be fatal if swallowed and enter the airways.	
Precautionary statement		
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.	



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Response	Use only non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. In case of fire: Use CO ₂ , dry chemical, foam, water fog for extinction. IF ON SKIN: wash with plenty of soap and water. IF SKIN irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and Keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Storage	Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

3. Composition/information on ingredients

Mixture

Chemical name	CAS number	<u>%</u>
Mineral spirits	64742-47-8	20
Xylene	1330-20-7	<3
Ethylbenzene	100-41-4	<3
Stoddard solvent (< 0.1%		
Benzene)	8052-41-3	
2-Ethylhexanoic acid	149-57-5	<0.5
n-Butanol	71-36-3	
1,10-Phenanthroline	66-71-7	

4. First-aid measures

Inhalation	Move individual to fresh air. If breathing has stopped, apply artificial respiration, get medical attention immediately.
Skin contact	Wash off quickly with plenty of water, then soap and water. Remove and wash contaminated clothing before reuse.
Eye contact	Wash with clean water for at least fifteen minutes; get medical



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Ingestion	attention. DO NOT INDUCE VOMITING. Give water or milk to drink; get medical attention.
Most important symptoms/effects, acute and delayed	May cause redness, severe irritation of eye. Inhalation may cause dizziness, headache, nausea, possible nervous system depression. Ingestion may cause nausea, gastrointestinal irritation, or vomiting. When comes in contact with skin may cause rash, cracking, dryness or defatting of skin. Pre-existing lung or skin conditions could be aggravated by repeated exposure.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. In case of shortness of breath, give oxygen. Keep victim warm.
General information	If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media	CO ₂ , dry chemical, foam, water fog. Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	None known.
Special protective equipment and Special firefighting procedures	Fight as a volatile fire; do not enter enclosed or confined fire spaces without proper protective equipment. This may include self-contained breathing apparatus.
6. Accidental release measures	
Personal precautions, protective	Keep unnecessary personnel away. Keep people away from and

Personal precautions, protective	Keep unnecessary personnel away. Keep people away from and
equipment and emergency	upwind of spill/leak. Keep out of low areas. Wear appropriate
procedures	protective equipment and clothing during clean-up. Do not
	breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.



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Environmental Precautions Methods and materials for containment and cleaning up Avoid discharge into drains, water courses or onto the ground. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Provide ventilation. Take precautionary measures against static discharge. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Stop the flow of material, if this is without risk. Soak up fill with absorbent material. Rags and absorbent material should be immersed in water. For waste disposal, see section 13 of the SDS.

7. Handling and storage	
Precautions for safe handling	Read and observe all precautions on label. Use only with adequate ventilation. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not reuse container for other purposes.
Conditions for safe storage	KEEP OUT OF REACH OF CHILDREN. Store locked up. Store in original container; keep tightly closed and appropriately labeled. Do not reuse container for other purposes. Store away from incompatible materials. Store away from high temperature, sparks, or open flame.
Incompatible materials	Avoid strong oxidizing agents.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Туре	Value
Mineral spirits	PEL(TWA)	500 ppm
Silicon dioxide	PEL(TWA)	20 mppcf (80 mg/m3/%SiO2)
Xylene	PEL(TWA)	100 ppm (435 mg/m ³)
Ethylbenzene	PEL(TWA)	100 ppm
Stoddard solvent	PEL(TWA)	500 ppm (2900 mg/m ³)
n-Butanol	PEL(TWA)	100 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value
Mineral spirits	TWA	500 ppm
Xylene	TWA	100 ppm (435 mg/m ³)
Ethylbenzene	TWA	100 ppm
Stoddard solvent	TWA	500 ppm (2900 mg/m ³)



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n- Butanol

TWA

100 ppm (300mg/m³)

US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the components in this product is listed.

US. OSHA Table Z-3 (29 CFR 1910.1000)

None of the components in this product is listed.

US. ACGIH Threshold Limi	t Values	
Components	Туре	Value
Mineral spirits	TLV(TWA)	100 ppm
Xylene	TLV(TWA)	100 ppm
	TLV(ST)	150 ppm
Ethylbenzene	TLV(TWA)	20 ppm
Stoddard solvent	TLV(TWA)	100 ppm
n-Butanol	TLV(TWA)	20 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value
Mineral spirits	REL(TWA)	350 mg/m ³
	REL(Ceiling)	1800 mg/m ³ (15-minute)
Silicon dioxide	REL(TWA)	6 mg/m ³
Xylene	REL (TWA)	100 ppm (435 mg/m ³)
	REL(ST)	150 ppm (655 mg/m ³)
Ethylbenzene	REL (TWA)	100 ppm
	REL(ST)	125 ppm
n-Butanol	REL(Ceiling)	50 ppm (150 mg/m ³)

Appropriate engineering controls

Provide adequate general and local exhaust ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Individual protection measures, such as personal protective equipment		
Eye/face protection Skin protection	Goggles or face shield.	
Hand protection	Wear neoprene or rubber gloves.	
Other	Wear impervious protective clothing. Eyewash station should be available.	
Respiratory protection	Wear a NIOSH approved respirator for organic vapors and ensure workers are trained in proper use. Provide adequate ventilation to keep vapor concentration below TLV.	
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.	
General hygiene considerations	Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Keep work area clean and free from spills and leaks.	



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Wash hands before breaks and immediately after handling the product. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	Pale yellow liquid.
Physical state	Liquid.
Form	Liquid.
Color	Pale yellow.
Odor	Petroleum distillate odor.
Odor threshold	Not available.
рН	Not available.
Melting point	Not available.
Freezing point	Not available.
Initial boiling point and boiling range	300-405 °F
Flash point	107 °F
% Volatile by Volume	57 %
Evaporation rate (BuOAc=1)	0.13
Maximum Volatile Organic Compound (V.O.C.)	450 grams/liter
Flammability (solid, liquid, gas)	Flammable liquid and vapors.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not available.
Flammability limit – upper (%)	Not available.
Explosive limit - lower (%)	1.0
Explosive limit - upper (%)	6.0
Vapor pressure (mm Hg)	5mm Hg at 77 °F
Vapor density (Air=1)	4.9
Relative density (Specific gravity)	0.90
Solubility(ies)	
Solubility (water)	Insoluble.
Solubility (other)	Soluble in petroleum solvents.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	None known
Incompatible materials	Avoid strong oxidizing agents.



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Hazardous decomposition Products

Usual products of combustion: CO, CO₂ possibly acrolein, and oxides of nitrogen.

Rat

Rat

Rat

Rat

Rat

Rat

Rat

Rat

Rabbit

Rabbit

Rabbit

Rabbit

11. Toxicological information

Information on likely routes of exposure

information on intervioutes of exp	Josure			
Ingestion Inhalation	•	s, headache, nause	ritation or vomiting. ea, possible nervous	
Skin contact	May cause rash, cra	acking, dryness or a	defatting of skin.	
Eye contact	May cause redness	and severe irritation	on.	
Symptoms related to the physical, chemical and toxicological characteristics	dizziness, headache depression. Ingestio irritation, or vomiti	e, nausea, possible on may cause naus ng. When comes ir	nhalation may cause nervous system ea, gastrointestinal n contact with skin may ess or defatting of skin.	
Delayed and immediate effects an	d No adverse long ter	No adverse long term affects are known, when used in		
also chronic effects from short- an	d accordance with sa	accordance with safe handling information (see section 8). Pre-		
long-term exposure	existing lung or skir exposure.	o conditions could	be aggravated by repeated	
Numerical measures of toxicity				
Components	Test	Species	Test Results	
Mineral spirits (CAS 64742-47-8)	Oral LD_{50} Dermal LD_{50} Inhalation LC_{50}	Rat Rabbit Rat	>5000 mg/kg >2000 mg/kg > 5.28 mg/l, 4h	

Oral LD₅₀

Oral LD₅₀

Oral LD₅₀

 $Oral \ LD_{50}$

Dermal LD₅₀

Dermal LD₅₀

Dermal LD₅₀

Dermal LD₅₀

Inhalation LC₅₀

Inhalation LC₅₀

Inhalation LC₅₀

Inhalation LC₅₀

Silicon dioxide (CAS 7631-86-9)

Xylene (CAS 1330-20-7)

Ethylbenzene (CAS 100-41-4)

Stoddard solvent (CAS 8052-41-3)

Skin corrosion/irritation Serious eye damage/eye irritation Respiratory or skin sensitization	Causes skin irritation. No data available.
Respiratory sensitization	No data available.
Skin sensitization	No data available.

>5000 mg/kg

>2000 mg/kg

4300 mg/kg

>1700 mg/kg

21.7 mg/l, 4h

3500 mg/kg

17800 mg/kg

9.6 mg/l, 4h

>5000 mg/kg

>3000 mg/kg

 $> 55500 \text{ mg/m}^3$

>0.69 mg/l, 4h



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Germ cell mutagenicity	No data available.	
Carcinogenicity	Suspected of causing cancer.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Ethylbenzene	2B "Possibly carcinogenic to humans".	
NTP Report on Carcinogen		
Ethylbenzene	Not listed.	
U.S OSHA Specifically Regulated S	Substances (29 CFR 1910.1001-1050)	
Ethylbenzene	Not listed.	
Reproductive toxicity	No data available.	
Specific target organ toxicity -	May cause drowsiness or dizziness.	
single exposure		
Specific target organ toxicity -	No data available.	
repeated exposure		
Aspiration hazard	May be fatal if swallowed and enter the airways.	

12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Mineral spirits	Fish LC ₅₀	Bluegill	2.2 mg/l, 96h
(CAS 64742-47-8)		(Lepomis macrochirus)	
Xylene	Fish LC ₅₀	Fathead minnow	13.4 mg/l, 96h
(CAS 1330-20-7)		(Pimephales promelas)	
	Crustacea EC ₅₀	Water flea	> 3.4 mg/l, 48h
		(Ceriodaphnia dubia)	
	Algae EC ₅₀	Microalga	4.9 mg/l, 72h
		(Selenastrum capricornutum)	
Ethylbenzene	Fish LC ₅₀	Rainbow trout	4.2 mg/l, 96h
(CAS 100-41-4)		(Oncorhynchus mykiss)	
	Crustacea EC ₅₀	Water flea	1.81 mg/l 48h
		(Daphnia magna)	
	Algae EC ₅₀	Microalga	4.6 mg/l, 72h
		(Selenastrum capricornutum)	
Persistence and degrad	-	information available.	
Bioaccumulative poten	•		
Mobility in soil	No information available.		
Other adverse effects	No	information available.	

13. Disposal considerations

Disposal i	nstructions
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Dispose in accordance with all applicable federal, state and local regulations. Do not allow this material to drain into



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sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container; dispose of this material and its container in a safe way.

Hazardous waste code

US RCRA Hazardous Waste U List : Reference

U239

Xylene (CAS 1330-20-7)		
n-Butanol (CAS 71-36-3)		
Contaminated packaging		

U031 Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not reuse container for other purposes.

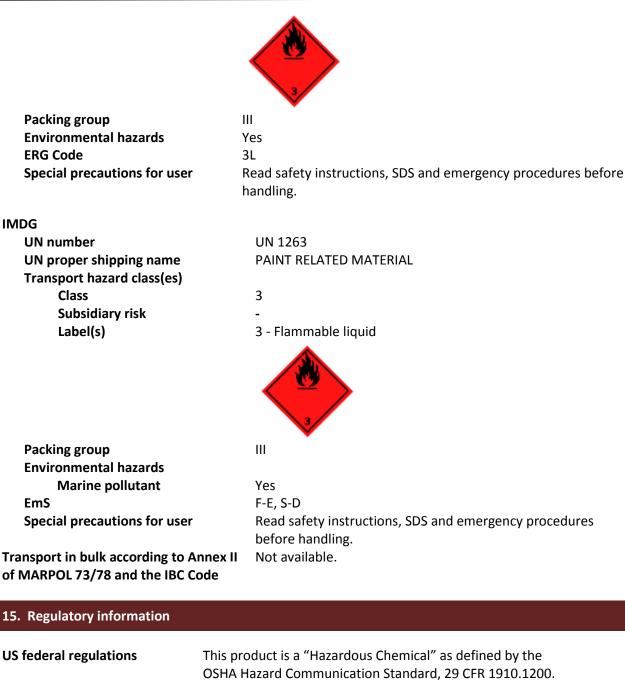
14. Transport information

DOT UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Label(s)	UN 1263 PAINT RELATED MATERIAL 3 - 3 - Flammable liquid
Packing group	
Environmental hazards Marine pollutant Special precautions for user	Yes Read safety instructions, SDS and emergency procedures before handling.
IATA UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Label(s)	UN 1263 Paint related material 3 - 3 - Flammable liquid



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All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None of the chemicals in this product is regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Mineral spirits (CAS 64742-47-8)	Listed
Silicon dioxide (CAS 7631-86-9)	Listed



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Xylene (CAS 1330-20-7)		Listed	
Ethylbenzene (CAS 100-41-4)		Listed	
Stoddard solvent (CAS 8052-41-3)		Listed	
n-Butanol (CAS 71-36-3)		Listed	
CERCLA Hazardous Substance L	ist (40 CFR 302.4).		
Xylene (CAS 1330-20-7)		Listed	
Ethylbenzene (CAS 100-41-4)		Listed	
n-Butanol (CAS 71-36-3)		Listed	
Superfund Amendments and Reauthorization Act of 1986 (SARA)			
Hazard categories	Immediate Hazard	-	Yes
	Delayed Hazard	-	Yes
	Fire Hazard	-	Yes
	Pressure Hazard	-	No
	Reactivity Hazard	-	No
SARA 302/304 Extremely hazardous substance			

None of the chemicals in this product is listed.

SARA 311/312 Hazardous chemical

Yes

SARA 313 (TRI reporting)

Chemical Name	CAS number	% by wt
Xylene	1330-20-7	~2
Ethylbenzene	100-41-4	< 3

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Ethylbenzene (CAS 100-41-4) Xylene (CAS 1330-20-7) Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None of the chemicals in this product is listed. Safe Drinking Water Act (SDWA) n-Butanol (CAS 71-36-3)

US State regulations

WARNING: This product contains chemicals known to the state of California to cause cancer.

US. New Jersey Worker and Community Right-to-Know Act

Stoddard solvent (CAS 8052-41-3) Xylene (CAS 1330-20-7) Ethylbenzene (CAS 100-41-4) Stoddard solvent (CAS 8052-41-3) 2-Ethylhexanoic acid (CAS 149-57-5) n-Butanol (CAS 71-36-3) US. Pennsylvania Worker and Community Right-to-Know Law Silicon dioxide (CAS 7631-86-9) Xylene (CAS 1330-20-7) Ethylbenzene (CAS 100-41-4) Stoddard solvent (CAS 8052-41-3)



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n-Butanol (CAS 71-36-3) US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Ethylbenzene (CAS 100-41-4)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no) [*]
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial	No
	Chemical Substances (EINECS)	
Europe	European List of Notified Chemical	No
	Substances (ELINCS)	
United States & Puerto	Toxic Substances Control Act (TSCA)	Yes
Rico	Inventory	

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date Revision date Version # NFPA rating	01-10-2001 09-15-2015 01 2 2 0
References	ACGIH: Documentation of the Threshold Limit Values and Biological Exposure indices ECHA: European Chemicals Agency HSDB: Hazardous Substances Data Bank IARC: International Agency for Research on Cancer NIOSH: The National Institute for Occupational Safety and Health NTP: National Toxicology Program NLM: Hazardous Substances Data Base OECD : Organization for Economic Co-operation and Development OSHA: Occupational Safety and Health Administration



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Disclaimer

The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations. All materials may present unknown hazards and should be used with caution.