



SAFETY DATA SHEET

BENITE®


Revised Date: 08-24-2015

Supersedes: 07-24-2001

1. Identification

Product identifier	Benite®
Other means of identification	
SDS number	03
Synonyms	11000 Series
Recommended use	Not available.
Recommended restrictions	Not available.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	Daly's Wood Finishing Products, 4522 S 133 rd St , Tukwila, WA 98168.
General Assistance	(206) 244-8844, toll free: (800) 727-9694
E-Mail	info@dalyswoodfinishes.com
Contact Person	Not available.
Emergency Telephone	Chemtrec : 800-424-9300

2. Hazard(s) Identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 2
	Sensitization, Skin	Category 1
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Specific target organ toxicity, single exposure; Narcotic effects, Respiratory tract irritation	Category 3
	Aspiration hazard	Category 1
Label elements		
Signal word	Danger	
Unknown Toxicity	2.6% of the mixture consists of ingredient(s) of unknown toxicity.	



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Hazard statement

Flammable liquid and vapour. Toxic if inhaled. Causes skin irritation. May cause an allergic skin reaction. May cause genetic defects. May cause cancer. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters 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. Use only non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Wash skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the work place. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse SKIN with water/shower. In case of fire: Use CO₂, 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 in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

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	%
Mineral spirits	64742-47-8	83.66



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Linseed oil	8001-26-1	8.19
Castung	68038-02-8	4.53
Solvent naphtha (petroleum)	64742-95-6	0.29
Xylene	1330-20-7	0.07

4. First-aid measures

Inhalation	Move individual to fresh air. If breathing has stopped, apply artificial respiration, get medical attention immediately.
Skin contact	Wash area with soap and water. If irritation persists, get medical attention.
Eye contact	Wash with clean water for at least fifteen minutes; get medical attention.
Ingestion	DO NOT INDUCE VOMITING. Give water or milk to drink; Get medical attention if symptoms developed.
Most important symptoms/effects, acute and delayed	May cause redness, 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	Keep victim warm and rested. Avoid any direct contact with the product. Never give anything by mouth to an unconscious person. Symptomatic treatment should include, above all, measured of support as correction of hydro electrolytic and metabolic disturbances and respiratory failure.
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	CO ₂ , dry chemical, foam, water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.



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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 equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Use only non-sparking tools. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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. Rags and absorbent material should be immersed in water. For waste disposal, see section 13 of the SDS.

Environmental Precautions Methods and materials for containment and cleaning up

7. Handling and storage

Precautions for safe handling

Store away from high temperature, sparks, or open flame. Read and observe all precautions on product label. KEEP OUT OF REACH OF CHILDREN.

Conditions for safe storage

Store in original container; keep tightly closed. Do not reuse container for other purposes. Store away from incompatible materials.

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	Type	Value
Mineral spirits	PEL(TWA)	500 ppm



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Oil mist (Linseed oil)	PEL(TWA)	5 mg/m ³
Naphtha	PEL(TWA)	2000 mg/m ³
Xylene	PEL(TWA)	100 ppm (435 mg/m ³)

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

Components	Type	Value
Mineral spirits	TWA	500 ppm
Oil mist (Linseed oil)	TWA	5 mg/m ³
Xylene	TWA	100 ppm (435 mg/m ³)

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

None of the chemical in this product is listed.

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

None of the chemical in this product is listed.

US. ACGIH Threshold Limit Values

Components	Type	Value
Mineral spirits	TLV(TWA)	100 ppm
Oil mist (Linseed oil)	TLV(TWA)	5 mg/m ³
Xylene	TLV(TWA)	100 ppm
	TLV(ST)	150 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Mineral spirits	REL(TWA)	350 mg/m ³
	REL(Ceiling)	1800 mg/m ³ (15-minute)
Oil mist (Linseed oil)	REL(TWA)	5 mg/m ³
	REL(ST)	10 mg/m ³
Naphtha	REL(TWA)	350 mg/m ³
Xylene	REL(TWA)	100 ppm (435 mg/m ³)
	REL(ST)	150 ppm (655 mg/m ³)

Appropriate engineering controls

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear goggles or face shield.



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Skin protection

Hand protection

Use Neoprene or rubber gloves.

Other

Eyewash station should be available.

Respiratory protection

Wear NIOSH-approved respirator for organic vapors. Ensure workers are trained in their proper use.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. Eye wash fountain and emergency showers are recommended.

9. Physical and chemical properties

Appearance	Clear amber liquid
Physical state	Liquid
Form	Liquid
Color	Clear amber
Odor	Petroleum distillate odor
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	300-405 °F
Flash point	107 °F
% Volatile by Volume	88%
Evaporation rate (BuOAc=1)	0.13
Maximum Volatile Organic Compound (V.O.C.)	680 gr/L
Flammability (solid, liquid, gas)	Flammable liquid and vapor
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	1.0
Flammability limit – upper (%)	6.0
Explosive limit - lower (%)	Not available
Explosive limit - upper (%)	Not available
Vapor pressure (mm Hg)	5mm Hg at 77°F
Vapor density (Air=1)	4.9
Relative density (Specific gravity)	0.80
Solubility(ies)	



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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	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	None known.
Incompatible materials	Avoid strong oxidizing agents.
Hazardous decomposition Products	Usual products of combustion CO, CO ₂ , possibly acrolein, and oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May cause nausea, gastrointestinal irritation, or vomiting.
Inhalation	May cause dizziness, headache, nausea, possible nervous system depression.
Skin contact	May cause rash, cracking, dryness or defatting of skin.
Eye contact	May cause redness, irritation.
Symptoms related to the physical, chemical and toxicological characteristics	May cause redness, 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 May cause rash, cracking, dryness or defatting of skin.
Delayed and immediate effects and also chronic effects from short- and long-term exposure	Pre-existing lung or skin conditions could be aggravated by repeated exposure.

Numerical measures of toxicity

Components	Test	Species	Test Results
Mineral spirits (CAS 64742-47-8)	Oral LD ₅₀	Rat	>5000mg/l
	Dermal LD ₅₀	Rabbit	>2000mg/l



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Solvent naphtha (CAS 64742-95-6)	Inhalation LC ₅₀	Rat	> 5.28mg/l,4h
	Oral LD ₅₀	Rat	>14000 mg/kg
	Dermal LD ₅₀	Rabbit	>2000 mg/kg
Xylene (CAS 1330-20-7)	Inhalation LC ₅₀	Rat	6,000 - 10,000 mg/m ³ , 4h
	Oral LD ₅₀	Rat	3523 mg/kg
	Dermal LD ₅₀	Rabbit	4300 mg/kg
	Inhalation LC ₅₀	Rat	6350 ppm, 4h

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	
Respiratory sensitization	No data available.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	May cause genetic defects. This product presents positive results of mutagenicity in <i>invitro</i> studies.
Carcinogenicity	May cause cancer. There are in vivo studies that indicate positive results of kidney and liver cancer.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	May be fatal if swallowed and enters airways.

12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Mineral spirits (CAS 64742-47-8)	Fish LC ₅₀	Bluegill (<i>Lepomis macrochirus</i>)	2.2 mg/l, 96h
Xylene (CAS 1330-20-7)	Fish LC ₅₀	Fathead minnow (<i>Pimephales promelas</i>)	13.4mg/l, 96h
	Crustacea EC ₅₀	Water flea (<i>Ceriodaphnia dubia</i>)	> 3.4 mg/L, 48h
	Algae EC ₅₀	Microalga (<i>Selenastrum capricornutum</i>)	4.9mg/l, 72h
Solvent naphtha (CAS 64742-95-6)	Fish LC ₅₀	Rainbow trout (<i>Oncorhynchus mykiss</i>)	9.2 mg/l, 96h

Persistence and degradability No information available.



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Bioaccumulative potential
Mobility in soil
Other adverse effects

No information available.
No information available.
No information available.

13. Disposal considerations

Disposal instructions

Rags and absorbent material should be immersed in water. Dispose of in accordance with all federal, state and local regulations.

Hazardous waste code

US RCRA Hazardous Waste U List : Reference

Xylene (CAS 1330-20-7)

U239

Waste from residues / unused products

None known.

Contaminated packaging

The treatment and disposal should be evaluated specifically for each product. Empty containers should be taken to an approved waste handling site for recycling or disposal. 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

1263

UN proper shipping name

PAINT RELATED MATERIAL

Transport hazard class(es)

Class

3

Subsidiary risk

-

Label(s)

3-Flammable liquids



Packing group

III

Environmental hazards

Marine pollutant

Yes

Special precautions for user

Read safety instructions, SDS and emergency procedures before



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handling.

IATA

UN number 1263
UN proper shipping name Paint related material
Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3-Flammable liquids



Packing group III
Environmental hazards Yes
ERG Code 3L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number 1263
UN proper shipping name PAINT RELATED MATERIAL
Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3-Flammable liquids



Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-E, S-D
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex Not available.



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II of MARPOL 73/78 and the IBC Code

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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 listed.

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

- Mineral spirits (CAS 64742-47-8)
- Oil mist (Linseed CAS 8001-26-1)
- Solvent naphtha (CAS 64742-95-6)
- Xylene (CAS 1330-20-7)

CERCLA Hazardous Substance List (40 CFR 302.4)

- Xylene (CAS 1330-20-7)

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 chemical 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	0.07

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

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)

None of the chemicals in this product is listed.



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US State regulations

US. Massachusetts RTK – Substance List

Mineral spirits (CAS 64742-47-8)

Xylene (CAS 1330-20-7)

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

Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Linseed oil (CAS 8001-26-1)

Xylene (CAS 1330-20-7)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

None of the chemicals in this product is listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemical List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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

07-24-2001



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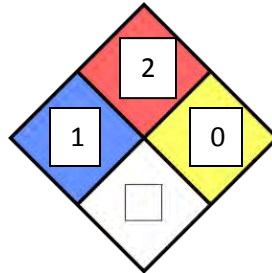
Revision date

08-24-2015

Version #

01

NFPA rating



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

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.