

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/25/2018

SDS#: 30141

Version: 1

SECTION 1: Identification

1.1. Identification

Product name : NF942/NF943 Nonflammable spray grade contact adhesive
Product form : Mixture

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Adhesive for Laminate

1.3. Supplier

Wilsonart LLC
P.O. Box 6110
Temple, TX 76503
Information phone: 800-433-3222 (USA)
In Case of Emergency Contact CHEMTREC (International): 703-527-3887

1.4. Emergency telephone number

Emergency number : CHEMTREC: (800) 424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Sens. 1 H317

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction

Precautionary statements (GHS-US) :
P261 - Avoid breathing mist, vapors, spray.
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves, protective clothing, eye protection, face protection
P302+P352 - If on skin: Wash with plenty of water
P321 - Specific treatment (see supplemental first aid instruction on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Benzene, 1-chloro-4-(trifluoromethyl)-	(CAS-No.) 98-56-6	1 - 10
Tert-butyl acetate	(CAS-No) 540-88-5	25 - 50
Trans-dichloroethylene	(CAS-No) 156-60-5	5 - 15
(E)-1-Chloro-3,3,3-trifluoro-1-propene	(CAS-No) 102687	10 - 20

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Name	Product identifier	%
Modified Rosin Ester		1 - 5

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause an allergic skin reaction.
- Symptoms/effects after inhalation : May cause respiratory irritation.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/effects after ingestion : May cause gastrointestinal irritation.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water fog.
- Unsuitable extinguishing media : Water spray.

5.2. Specific hazards arising from the chemical

- Fire hazard : The product is not flammable.
- Explosion hazard : Under fire conditions closed containers may rupture or explode.
- General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). In case of spills, beware of slippery floors and surfaces.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). In case of spills, beware of slippery floors and surfaces.

6.1.1. For non-emergency personnel

- Protective equipment : Wear protective equipment as described in section 8.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Approved supplied-air respirator, in case of emergency. Wear suitable protective clothing, gloves and eye or face protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Ensure there is adequate ventilation. Wear suitable protective clothing. Stop leak, if possible without risk. Soak up with absorbent material, and place in non-leaking containers for proper disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, sparks and open flames. Use adequate ventilation and avoid repeated or prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Ground/bond container and receiving equipment. Prohibit smoking in storage area.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Isolate from oxidizers, heat, sparks, electrical equipment and open flame. Closed containers may explode if exposed to extreme heat. Store in a dry place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

tert-Butyl acetate (540-88-5)	
ACGIH TWA (ppm)	200 ppm
Remark (ACGIH)	Threshold Limit Values (TLV Basis) Critical Effects - eye and upper respiratory tract irritation
OSHA PEL (TWA) (mg/m ³)	950 mg/m ³
OSHA PEL (TWA) (ppm)	200 ppm
trans-1,2-Dichloroethylene (156-60-5)	
ACGIH TWA (ppm)	200 ppm
Remark (OSHA)	OELs not established
(E)-1-Chloro-3,3,3-trifluoroprop-1-ene (102687-65-0)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Modified Rosin Ester	
OELs not available	

Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)	
OELs not established	

8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

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8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):



Personal protective equipment:

Safety glasses. Gloves.

Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection:

Wear long sleeves to minimize bodily exposure.

Respiratory protection:

Where vapor, mist, or dust exceed PELs or other applicable OEL's, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Green or Clear
Odor	: Solvent
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No flash point
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non-flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 8.522 lbs/gal
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

VOC's	: 249 g/L
% Solids	32%

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Heat. Open flame. Ignition sources.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Various hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) :

Modified Rosin Ester

LD50 oral rat	> 5000 mg/kg 15 Days at this dose no death occurred
LD50 dermal rat	> 2000 mg/kg At this dose no death occurred
LC50 inhalation rat (mg/l)	NOAEL Oral Rat: 300 mg/kg/day, 8 weeks Developmental; Data is for a similar product
LC50 inhalation rat (ppm)	NOEL Oral Rat: 1000 mg/kg/day, 8 weeks Reproductive; Data is for similar product

Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)

LD50 oral rat	13 g/kg
LD50 dermal rabbit	> 2 ml/kg
LC50 inhalation rat (mg/l)	33 mg/l/4h

trans-1,2-Dichloroethylene (156-60-5)

ACGIH TWA (ppm)	200 ppm
Remark (OSHA)	OELs not established

(E)-1-Chloro-3,3,3-trifluoroprop-1-ene (102687-65-0)

Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

tert-Butyl acetate (540-88-5)

LC50 inhalation rat (mg/l)	> 2230 mg/m ³ 4 h
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: May cause an allergic skin reaction.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

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Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion : May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.
No discharge to surface waters is allowed without an NPDES permit.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not Regulated for transport

Transportation of Dangerous Goods

Not Regulated for transport

Transport by sea (IMDG)

Not Regulated for transport

Air transport (IATA)

Not Regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

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All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt

SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization
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trans-1,2-Dichloroethylene (156-60-5)

CERCLA RQ	1000 lb (listed under 1,2-dichloroethylene)
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tert-Butyl acetate (540-88-5)

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	5000 lb (listed under Butyl acetate)
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15.2. International regulations

No additional information available

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15.3. US State regulations

⚠ WARNING: This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ethylbenzene (100-41-4)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	54 µg/day (inhalation); 41 µg/day (oral)	

Component	State or local regulations
2,6-Di-tert-butyl-p-cresol(128-37-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
trans-1,2-Dichloroethylene(156-60-5)	U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
tert-Butyl acetate(540-88-5)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
tert-Butyl alcohol(75-65-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Pennsylvania - RTK (Right to Know) List
Xylenes (o-, m-, p- isomers)(1330-20-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Ethylbenzene(100-41-4)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

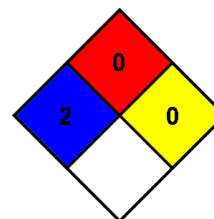
SECTION 16: Other information

Other information : Author: TB

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

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



HMIS Hazard Rating

Health : 2

Flammability : 0

Physical : 0

NEW 18.1 Pace US SDS Master Template

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product