

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

SECTION 1. IDENTIFICATION

Product name : Dresinate(TM) TX Rosin Soap
Product code : P75033J2
Other means of identification : 75033

Manufacturer or supplier's details

Company name of supplier : Synthomer Adhesive Technologies LLC
Address : 25435 HARVARD ROAD
BEACHWOOD OH 44122-6201
Emergency telephone : USA +1 866 928 0789 (toll free) // Americas # +1 215 207 0061 / Global (EN speaking only) +44 1865 407333
E-mail address : regulatoryaffairs@synthomer.com

Recommended use of the chemical and restrictions on use

Recommended use : Emulsifier
Restrictions on use : Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Skin irritation : Category 2
Eye irritation : Category 2A
Skin sensitization : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**
P261 Avoid breathing dust.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves, eye protection and face protec-

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version 2.1 Revision Date: 09/14/2023 SDS Number: 5155-00018 Date of last issue: 06/30/2023
Date of first issue: 06/01/2015

tion.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical attention.

P337 + P313 If eye irritation persists: Get medical attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Tall oil, sodium salt	65997-01-5	$\geq 70 - < 90$
Resin acids and Rosin acids, sodium salts	61790-51-0	$\geq 10 - < 20$
Phenothiazine	92-84-2	$\geq 0.1 - < 1$

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Get medical attention.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
If easy to do, remove contact lens, if worn.
Get medical attention.

If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Most important symptoms and effects, both acute and delayed	:	Rinse mouth thoroughly with water. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Do not use a solid water stream as it may scatter and spread fire. Exposure to combustion products may be a hazard to health.
Hazardous combustion products	:	Carbon oxides Metal oxides
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

- | | | |
|-----------------------------|---|---|
| Technical measures | : | Static electricity may accumulate and ignite suspended dust causing an explosion.
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. |
| Local/Total ventilation | : | Use only with adequate ventilation. |
| Advice on safe handling | : | Do not get on skin or clothing.
Avoid breathing dust.
Do not swallow.
Do not get in eyes.
Wash skin thoroughly after handling.
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
Minimize dust generation and accumulation.
Keep container closed when not in use.
Keep away from heat and sources of ignition.
Take precautionary measures against static discharges.
Take care to prevent spills, waste and minimize release to the environment. |
| Conditions for safe storage | : | Keep in properly labeled containers.
Store in accordance with the particular national regulations. |
| Materials to avoid | : | Do not store with the following product types:
Strong oxidizing agents |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

- | | |
|------------------------|---|
| inert or nuisance dust | 50 Million particles per cubic foot
Value type (Form of exposure): TWA (total dust)
Basis: OSHA Z-3 |
| | 15 mg/m ³
Value type (Form of exposure): TWA (total dust)
Basis: OSHA Z-3 |
| | 5 mg/m ³
Value type (Form of exposure): TWA (respirable fraction)
Basis: OSHA Z-3 |
| | 15 Million particles per cubic foot
Value type (Form of exposure): TWA (respirable fraction) |

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version 2.1 Revision Date: 09/14/2023 SDS Number: 5155-00018 Date of last issue: 06/30/2023
Date of first issue: 06/01/2015

Basis: OSHA Z-3

Dust, nuisance dust and particulates

10 mg/m³

Value type (Form of exposure): PEL (Total dust)

Basis: CAL PEL

5 mg/m³

Value type (Form of exposure): PEL (respirable dust fraction)

Basis: CAL PEL

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Phenothiazine	92-84-2	TWA	5 mg/m ³	NIOSH REL
		TWA (Inhalable particulate matter)	0.5 mg/m ³	ACGIH

Engineering measures

- : Ensure adequate ventilation, especially in confined areas.
- : Minimize workplace exposure concentrations.
- : Apply measures to prevent dust explosions.
- : Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Personal protective equipment

Respiratory protection

- : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material

- : Chemical-resistant gloves

Remarks

- : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection

- : Wear the following personal protective equipment:
Safety goggles

Skin and body protection

- : Select appropriate protective clothing based on chemical

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Hygiene measures : resistance data and an assessment of the local exposure potential.
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.
When using do not eat, drink or smoke.
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder
Color	: dark brown
Odor	: slight
Odor Threshold	: No data available
pH	: 9.1 - 9.4
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: May form combustible dust concentrations in air.
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: Not applicable
Relative vapor density	: Not applicable
Relative density	: 0.42 (77 °F / 25 °C)
Density	: No data available
Solubility(ies) Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: Not applicable

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Dust deflagration index (Kst)	:	124 m.b_/s
Dust explosion class	:	St1
Minimum ignition energy	:	100 - 300 mJ
Particle size	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	May form combustible dust concentrations in air. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials	:	Oxidizing agents Acids
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Components:

Tall oil, sodium salt:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423
---------------------	---	--

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Remarks: Based on data from similar materials

Resin acids and Rosin acids, sodium salts:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 423
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials

Phenothiazine:

Acute oral toxicity : LD50 (Rat): 1,370 mg/kg
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Causes skin irritation.

Components:

Tall oil, sodium salt:

Species : reconstructed human epidermis (RhE)
Method : OECD Test Guideline 439

Species : reconstructed human epidermis (RhE)
Method : OECD Test Guideline 431

Result : Skin irritation

Resin acids and Rosin acids, sodium salts:

Species : Rabbit
Result : No skin irritation
Remarks : Based on data from similar materials

Phenothiazine:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Tall oil, sodium salt:

Result : Irritation to eyes, reversing within 21 days

Resin acids and Rosin acids, sodium salts:

Species : Rabbit
Result : Irritation to eyes, reversing within 7 days
Method : OECD Test Guideline 405
Remarks : Based on data from similar materials

Phenothiazine:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Components:

Tall oil, sodium salt:

Assessment : Probability or evidence of low to moderate skin sensitization rate in humans
Remarks : Based on data from similar materials

Resin acids and Rosin acids, sodium salts:

Test Type : Buehler Test
Routes of exposure : Skin contact
Species : Guinea pig
Result : negative
Remarks : Based on data from similar materials

Phenothiazine:

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : positive

Assessment : Probability or evidence of skin sensitization in humans

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Germ cell mutagenicity

Not classified based on available information.

Components:

Tall oil, sodium salt:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Resin acids and Rosin acids, sodium salts:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Phenothiazine:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Rat
Application Route: Ingestion
Result: negative

Carcinogenicity

Not classified based on available information.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Components:

Tall oil, sodium salt:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Application Route: Ingestion
Method: OECD Test Guideline 414
Result: negative
Remarks: Based on data from similar materials

Resin acids and Rosin acids, sodium salts:

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening test
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 421
Result: negative
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Reproduction/Developmental toxicity screening test
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 421
Result: negative
Remarks: Based on data from similar materials

Phenothiazine:

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: Ingestion
Result: negative

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Components:

Phenothiazine:

Routes of exposure : Ingestion
Target Organs : Blood
Assessment : Shown to produce significant health effects in animals at concentrations of >10 to 100 mg/kg bw.

Repeated dose toxicity

Components:

Tall oil, sodium salt:

Species : Rat
NOAEL : > 100 mg/kg
Application Route : Ingestion
Exposure time : 90 Days
Remarks : Based on data from similar materials

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Phenothiazine:

Species	:	Dog
NOAEL	:	6 mg/kg
Application Route	:	Ingestion
Exposure time	:	91 Days

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Tall oil, sodium salt:

Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 10 - 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: ISO 6341
---	---	--

Toxicity to algae/aquatic plants	:	EL50 (Raphidocelis subcapitata (freshwater green alga)): 309 mg/l Exposure time: 72 h Test substance: Neutralized product Method: ISO 8692
----------------------------------	---	---

NOELR (Raphidocelis subcapitata (freshwater green alga)): > 1 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Toxicity to microorganisms	:	(Bacteria): 103 mg/l Exposure time: 15 min Test substance: Neutralized product
----------------------------	---	--

Resin acids and Rosin acids, sodium salts:

Toxicity to fish	:	LL50 (Leuciscus idus (Golden orfe)): > 1,000 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials
------------------	---	--

Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 202 Remarks: Based on data from similar materials
---	---	---

Toxicity to algae/aquatic	:	NOELR (Desmodesmus subspicatus (green algae)): 100 mg/l
---------------------------	---	---

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

plants

Exposure time: 72 h
Test substance: Water Accommodated Fraction
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Test substance: Water Accommodated Fraction
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Phenothiazine:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.597 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.154 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

EC0 (Desmodesmus subspicatus (green algae)): >= 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to microorganisms : IC50: > 100 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Persistence and degradability

Components:

Tall oil, sodium salt:

Biodegradability : Result: Readily biodegradable.
Remarks: Based on data from similar materials

Resin acids and Rosin acids, sodium salts:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 71 %
Exposure time: 28 d
Remarks: Based on data from similar materials

Phenothiazine:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

Bioaccumulative potential

Components:

Resin acids and Rosin acids, sodium salts:

Partition coefficient: n- : log Pow: 3 - 5.8
octanol/water

Phenothiazine:

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): > 100

Partition coefficient: n- : log Pow: 3.78
octanol/water

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.
Do not dispose of waste into sewer.

Contaminated packaging : Empty containers should be taken to an approved waste
handling site for recycling or disposal.
If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

Special precautions for user

Not applicable

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Combustible dust
Respiratory or skin sensitization
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

Tall oil, sodium salt	65997-01-5
Resin acids and Rosin acids, sodium salts	61790-51-0

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
TECI	: Not in compliance with the inventory

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



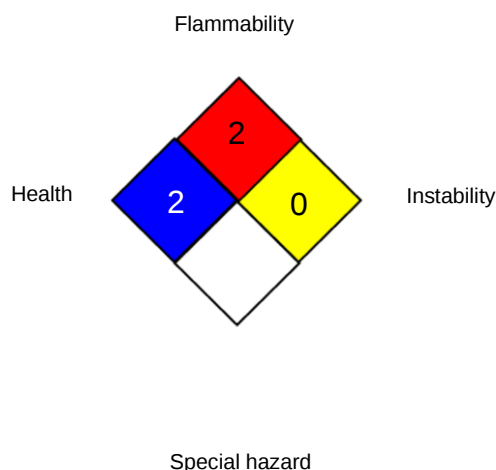
Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	2
FLAMMABILITY		2
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "/" represents a chronic hazard, while the "0" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
CAL PEL	: California permissible exposure limits for chemical contaminants (Title 8, Article 107)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA Z-3	: USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	: 8-hour, time-weighted average
CAL PEL / PEL	: Permissible exposure limit
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA Z-3 / TWA	: 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dresinate(TM) TX Rosin Soap

Version	Revision Date:	SDS Number:	Date of last issue: 06/30/2023
2.1	09/14/2023	5155-00018	Date of first issue: 06/01/2015

50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 09/14/2023

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8