

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 03/27/2017

Reviewed on 03/27/2017

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Identification Product Identifier

- · Trade name: Penofin 550 VOC Blue Label Original Formula
- Relevant identified uses of the substance or mixture and uses advised against:
- · Product Description Semi-transparent stain for use on wood.
- · Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier: Performance Coating, Inc.
P.O. Box 1569
360 Lake Mendocino Drive
Ukiah, CA 95482
Phone: (707) 462-3023
Fax: (707) 462-6139
Emergency telephone number: Chemtrec 1-800-424-9300 or outside USA 1-703-527-3887

2 Hazard(s) Identification

· Classification of the substance or mixture:

GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



Acute Tox. 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.

Aquatic Acute 3 H402 Harmful to aquatic life.

· Label elements:

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

• Hazard pictograms:



· Signal word: Warning

 Hazard-determining components of labeling: Xylene, mixture of isomers
 Ethylbenzene
 3-lodo-2-propynylbutylcarbamate
 2-butanone oxime



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· Hazard statements:

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Trade name: Penofin 550 VOC Blue Label Original Formula

H226 Flammable liquid and vapor.				
H332 Harmful if inhaled.				
H315 Causes skin irritation.				
H317 May cause an allergic skin reaction.				
H402 Harmful to a	H402 Harmful to aquatic life.			
· Precautionary st	atements:			
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.			
P233	Keep container tightly closed.			
P240	Ground/bond container and receiving equipment.			
P241	Use explosion-proof electrical/ventilating/lighting/equipment.			
P242	Use only non-sparking tools.			
P243	Take precautionary measures against static discharge.			
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.			
P264	Wash thoroughly after handling.			
P271	Use only outdoors or in a well-ventilated area.			
P272	Contaminated work clothing must not be allowed out of the workplace.			
P273	Avoid release to the environment.			
P280	Wear protective gloves/protective clothing/eye protection/face protection.			
P302+P352	IF ON SKIN: Wash with plenty of water.			
P303+P361+P353	B If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/			
	shower.			
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.			
P312	Call a POISON CENTER/doctor if you feel unwell.			
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).			
P332+P313	If skin irritation occurs: Get medical advice/attention.			
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.			
P362+P364	Take off contaminated clothing and wash it before reuse.			
P363	Wash contaminated clothing before reuse.			
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.			
P403+P235	Store in a well-ventilated place. Keep cool.			
P501	Dispose of contents/container in accordance with local/regional/national/international			
	regulations.			
· Unknown acute toxicity:				
16.2 % of the mixt	ure consists of component(s) of unknown toxicity.			

· Classification system:

• NFPA ratings (scale 0 - 4)

Health = 1 Fire = 2 Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH Health = *1 FIRE 2 Fire = 2 REACTIVITY O Reactivity = 0

· Hazard(s) not otherwise classified (HNOC): None known



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3 Composition/Information on Ingredients	
· Non-hazardous components:	
68333-62-0 Fatty acids, tall-oil, polymers with ethylene glycol	11.3%
8001-20-5 Tung Oil	3.27%

Chemical characterization: Mixtures

· Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Compone	ents:	
CAS: 64742-88-7	Solvent naphtha (petroleum), medium aliph. ♦ Flam. Lig. 3, H226; ♦ STOT RE 1, H372; Asp. Tox. 1, H304	43.54%
RTECS: 019690000	Trade Secret	12.9%
CAS: 1330-20-7 RTECS: ZE 2100000	Xylene, mixture of isomers ♦ Flam. Liq. 3, H226; ♦ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	12.44%
CAS: 100-41-4 RTECS: DA 0700000	Ethylbenzene Flam. Liq. 2, H225; Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332	3.11%
CAS: 55406-53-6	3-Iodo-2-propynylbutylcarbamate ♦ Acute Tox. 3, H331; ♦ STOT RE 1, H372; ♦ Eye Dam. 1, H318; ♦ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ♦ Acute Tox. 4, H302; Škin Sens. 1, H317	0.113%
CAS: 96-29-7 RTECS: EL9275000	2-butanone oxime ♦ Carc. 2, H351; ♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H312; Skin Sens. 1 H317; Flam. Liq. 4, H227	0.1%

4 First-Aid Measures

· Description of first aid measures:

General information:

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

• After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If swallowed and symptoms occur, consult a doctor.
- · Information for doctor:
- *Most important symptoms and effects, both acute and delayed:* No further relevant information available. • *Indication of any immediate medical attention and special treatment needed:*

No further relevant information available.

5 Fire-Fighting Measures

• Extinguishing media:

• Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.



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- · For safety reasons unsuitable extinguishing agents: Water
- · Special hazards arising from the substance or mixture:
- Combustible liquid. Vapors can travel to a source of ignition and flash back.
- Explosive mixtures may occur at temperatures at or above flashpoint.
- Advice for firefighters:
- Protective equipment:
- Mouth respiratory protective device.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
- Inform respective authorities in case of seepage into water course or sewage system.
- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

- Dispose of the collected material according to regulations.
- Reference to other sections:

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and Storage

- · Handling
- · Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

- Prevent formation of aerosols.
- · Information about protection against explosions and fires: Protect from heat.
- · Conditions for safe storage, including any incompatibilities:
- · Storage
- · Requirements to be met by storerooms and receptacles: Store in the original container.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:
- Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

• Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

· Additional information about design of technical systems: No further data; see section 7.

• Control parameters:

Components with occupational exposure limits:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.



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At this time, the other constituents have no known exposure limits.

,	
1330	-20-7 Xylene, mixture of isomers
PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 435 mg/m³, 100 ppm
TLV	Short-term value: 651 mg/m³, 150 ppm
	Long-term value: 434 mg/m³, 100 ppm BEI
100-	41-4 Ethylbenzene
PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 87 mg/m ³ , 20 ppm
	BEI
-	edients with biological limit values:
	-20-7 Xylene, mixture of isomers
	1.5 g/g creatinine
	urine end of shift
	Methylhippuric acids
	41-4 Ethylbenzene
	0.7 g/g creatinine
	urine
	end of shift at end of workweek
	Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
	_
	end-exhaled air
	not critical
	Ethyl benzene (semi-quantitative)
· Add	itional information: The lists that were valid during the creation of this SDS were used as basis.
	osure controls:
	onal protective equipment:
	eral protective and hygienic measures: usual precautionary measures for handling chemicals should be followed.
) away from foodstuffs, beverages and feed.

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· Breathing equipment: Not required.

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Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Solvent / Mineral Spirits

Not determined.

Not determined.

Not determined.

136 °C (277 °F)

42 °C (108 °F)

Not applicable.

265 °C (509 °F)

Not determined.

Product is not self-igniting.

Product does not present an explosion hazard.

• Eye protection:



Goggles recommended during refilling.

Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information
- Appearance: Form:
- Color: · Odor:
- Odor threshold:
- · pH-value:
- · Change in condition Melting point/Melting range: Boiling point/Boiling range:
- · Flash point:
- · Flammability (solid, gaseous):
- · Ignition temperature:
- Decomposition temperature:
- · Auto igniting:
- · Danger of explosion:
- · Explosion limits: Lower: 0.6 Vol %

Liquid Colored



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Upper:	7.0 Vol %
	6.7 hPa (5 mm Hg)
[·] Density: Relative density: Vapor density: Evaporation rate:	Not determined. Not determined. Not determined.
 Solubility in / Miscibility with: Water: 	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
 Viscosity: Dynamic: Kinematic: 	Not determined. Not determined.
 Solvent content: Organic solvents: VOC content: 	59.1 % Not Determined
Solids content: • Other information:	0 % No further relevant information available.
10 Stability and Reactivity	

· Reactivity: No further relevant information available.

- Chemical stability: Stable under normal conditions.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

1 Toxicological Information

· Information on toxicological effects:

• Acute toxicity:

· LD/LC50	values that a	re relevant for classification:	
64742-88-	7 Solvent na	phtha (petroleum), medium aliph.	
Oral	LD50	>6500 mg/kg (Rat)	
Dermal	LD50	>3000 mg/kg (rab)	
Inhalative	LC50/4 h	>14 mg/l (Rat)	
1330-20-7	Xylene, mix	ture of isomers	
Oral	LD50	4300 mg/kg (Rat)	
Dermal	LD50	1700 mg/kg (Rabbit)	
Inhalative	LC50/4 h	5000 mg/l (Rat)	
13463-67-	7 Titanium D	Dioxide	
Oral	LD50	>10000 mg/kg (Rat)	
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Dermal	LD50	>10000 mg/kg (Rabbit)	
Inhalative		>6.82 mg/l (Rat)	
	Ethylbenzene		
Oral	LD50	3500 mg/kg (Rat)	
Dermal	LD50	15433 mg/kg (Rabbit)	
112-80-1 (Oleic acid, pure		
Oral	LD50	74000 mg/kg (Rat)	
55406-53-	6 3-lodo-2-prop	bynylbutylcarbamate	
Inhalative	LC50/96 hours	0.067 mg/l (Trout)	
	LC50/48 hrs	0.04 mg/l (Daphnia)	
96-29-7 2-	-butanone oxim	10	
Oral	LD50	3700 mg/kg (Rat)	
Dermal	LD50	200-2000 mg/kg (Rat)	
Inhalative	LC50/4 h	20 mg/l (Rat)	
· IARC (Inte	enic categories ernational Agei	ncy for Research on Cancer):	
	e ingredients ar 7 Xylene, mixtu		3
	7 Titanium Diox		3 2B
	4 Ethylbenzene		2B
	ional Toxicolog		
•	ie ingredients ar		
		Safety & Health Administration):	
	ie ingredients ar	• •	
12 Ecologi	cal Informati	ion	
· Toxicity:			

1330-20-7 Xylene, mixture of isomers

EC50 72 mg/l (Green algae)

75.49 mg/l (Daphnia)

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Trade name: Penofin 550 VOC Blue Label Original Formula

13463-67-7 Titanium Dioxide

EC50 >1000 mg/l (Water flea)

100-41-4 Ethylbenzene

EC50 4.9 mg/l (Green algae)

1.8-2.4 mg/l (Water flea)

- Persistence and degradability: No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- · Additional ecological information:
- · General notes: Generally not hazardous for water.
- Results of PBT and vPvB assessment:
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

3 Disposal Considerations

· Waste treatment methods:

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings

· Recommendation: Disposal must be made according to official regulations.

4 Transport Information

- · UN-Number:
- · DOT, ADR/ADN, IMDG, IATA
- UN proper shipping name:
- · DOT
- · ADR/ADN
- · IMDG, IATA
- Transport hazard class(es):

Paint UN1263 Paint PAINT

UN1263

DOT



· Class:

· Label:

3 Flammable liquids

3

ADR/ADN



3 (F1) Flammable liquids

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· Label:	3
· IMDG, IATA	
 Class: Label: Packing group: DOT, ADR/ADN, IMDG, IATA Environmental hazards: Special precautions for user: Danger code (Kemler): EMS Number: Stowage Category Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: 	3 Flammable liquids 3 III Not applicable. Warning: Flammable liquids 30 F-E, <u>S-E</u> A of Not applicable.
• Transport/Additional information:	
• DOT • Quantity limitations: • Remarks:	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L Non-Regulated Material
· ADR/ADN · Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
 IMDG Limited quantities (LQ): Excepted quantities (EQ): UN "Model Regulation": 	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml UN 1263 PAINT, 3, III
15 Regulatory Information	

• Safety, health and environmental regulations/legislation specific for the substance or mixture: • SARA (Superfund Amendments and Reauthorization):

 Section 355 (extremely hazardous substances):

 None of the ingredients are listed.

 Section 313 (Specific toxic chemical listings):

 1330-20-7

 Xylene, mixture of isomers

 100-41-4

 Ethylbenzene

 55406-53-6

 3-lodo-2-propynylbutylcarbamate

 TSCA (Toxic Substances Control Act):

 All ingredients are listed or exempt from listing.

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13463-67-7	Titanium Dioxide	
100-41-4	Ethylbenzene	
Chemicals	known to cause reproductive toxicity for females:	
None of the	ingredients are listed.	
Chemicals	known to cause reproductive toxicity for males:	
None of the	ingredients are listed.	
Chemicals	known to cause developmental toxicity:	
None of the	ingredients are listed.	
Carcinoger	nic categories:	
EPA (Envir	onmental Protection Agency):	
1330-20-7	Xylene, mixture of isomers	1
100-41-4 I	Ethylbenzene	E
TLV (Thres	hold Limit Value established by ACGIH):	
1330-20-7	Xylene, mixture of isomers	A
13463-67-7	Titanium Dioxide	A4
100-41-4	Ethylbenzene	A
NIOSH-Ca	(National Institute for Occupational Safety and Health):	
13/63-67-7	Titanium Dioxide	



· Signal word: Warning

 Hazard-determining components of labeling: Xylene, mixture of isomers
 Ethylbenzene
 3-lodo-2-propynylbutylcarbamate
 2-butanone oxime
 Hazard statements:

H226 Flammable liquid and vapor.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H402 Harmful to aquatic life. *Precautionary statements:*

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.



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P240 P241 P242 P243 P261 P264 P271 P272 P273 P273 P280 P302+P352 P303+P361+P35	Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. 3 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/
P304+P340 P312 P321 P332+P313 P333+P313 P362+P364 P363 P370+P378 P403+P235 P501	shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

6 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of preparation / last revision: 03/27/2017 / 25

Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent



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NIOSH: National Institute for Occupational Safety and Health OSHA: Occupational Safety & Health Administration TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Flam. Liq. 4: Flammable liquids – Category 4 Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 3: Acute toxicity – Category 3 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Skin Sens. 1: Skin sensitisation - Category 1 Carc. 2: Carcinogenicity – Category 2 Carc. 2: Carcinogenicity – Category 2 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard - Category 3 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 * * Data compared to the previous version altered. +1-877-204-9106 SDS created by MSDS Authoring Services www.msdsauthoring.com

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