



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.26.2018

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Pangit B Compound

SECTION 1: Identification

Product identifier

Product name: Pangit B Compound

Product code: 110FPB, 120FPB

Additional information: Rev 3.0

Recommended use of the product and restriction on use

Relevant identified uses: Rubber filler

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

Tech International

200 East Coshocton Street

Johnstown, OH 43031

1-740-967-9015

Emergency telephone number:

United States

CHEMTREC

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1-703-527-3887

SECTION 2: Hazard(s) identification

GHS classification:

Flammable liquids, category 2

Skin irritation, category 2

Skin sensitization, category 1

Aspiration hazard, category 1

Specific target organ toxicity - single exposure, category 3, central nervous system

Specific target organ toxicity - repeated exposure, category 2

Reproductive toxicity, category 2

Acute aquatic hazard, category 3

Chronic aquatic hazard, category 3

Label elements

Hazard pictograms:



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Signal word: Danger

Hazard statements:

- H225 Highly flammable liquid and vapor.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H304 May be fatal if swallowed and enters airways.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H361 Suspected of damaging fertility or the unborn child.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P202 Do not handle until all safety precautions have been read and understood.
- P264 Wash skin thoroughly after handling.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/light/equipment.
- P242 Use only non-sparking tools.
- P273 Avoid release to the environment.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P201 Obtain special instructions before use.
- P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P362 Take off contaminated clothing.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P331 Do NOT induce vomiting.
- P301+P310 If swallowed: Immediately call a poison center or doctor/physician.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P370+P378 In case of fire: Use agents recommended in Section 5 for extinction.
- P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- P405 Store locked up.
- P403+P233 Store in a well ventilated place. Keep container tightly closed.
- P501 Dispose of contents and container as instructed in Section 13.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 9003-31-0	Natural Rubber	33-43

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CAS number: 1333-86-4	Carbon Black	15-20
CAS number: 68610-51-5	Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	0.2-0.6
CAS number: 8042-47-5	Mineral Oil	0.5-1
CAS number: 108-88-3	Toluene	30-40
CAS number: 7704-34-9	Sulfur	0.1-0.5
CAS number: 135-57-9	2,2' Dibenzamido diphenyl disulphide	<0.25
CAS number: 57-11-4	Stearic acid	0.25-0.5
CAS number: 64742-65-0	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	0.1-0.2
CAS number: 9035-99-8	Insoluble sulfur	1.5-2
CAS number: 64742-52-5	Hydrotreated Heavy Naphthenic Distillates	0.1-0.2
CAS number: 64742-54-7	Hydrotreated Heavy Paraffinic Distillates	0.1-0.2
CAS number: 1314-13-2	Zinc oxide	1.75-2.25
CAS number: 64742-53-6	Hydrotreated Light Naphthenic Distillates	0.1-0.2

Additional Information:

Carbon black is classified as a carcinogen only in its respirable form. Since the carbon black in this product is not respirable, the product itself is not classified as a carcinogen in the form presented.

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

After skin contact:

Take off all contaminated clothing

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Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

Unsuitable extinguishing media:

Do not use a water stream as an extinguisher

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors
Vapors can flow to distant ignition sources and flashback
Liquid is volatile and may generate an explosive atmosphere

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Shut off sources of ignition
Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing
Beware of vapors accumulating to form explosive concentrations
Vapors can accumulate in low areas

Environmental precautions:

Should not be released into the environment

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Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Use spark-proof tools and explosion-proof equipment

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Take precautionary measures against electrostatic discharges.

Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Natural Rubber	9003-31-0	ACGIH TLV TWA: 0.0001 mg/m ³ , inhalable fraction
	Stearic acid	57-11-4	ACGIH TLV: 10 mg/m ³ (as stearates)
	Zinc oxide	1314-13-2	ACGIH TLV TWA: 10.0 mg/m ³
	Toluene	108-88-3	ACGIH TWA: 20 ppm
	Carbon Black	1333-86-4	ACGIH TLV TWA: 3.5 mg/m ³
	Zinc oxide	1314-13-2	ACGIH TLV TWA: 2.0 mg/m ³
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
	Hydrotreated Light Naphthenic Distillates	64742-53-6	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
Carbon Black	1333-86-4	TLV-TWA 3.0 mg/m ³	

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Mineral Oil	8042-47-5	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
	Stearic acid	57-11-4	8-Hour Exposure Limit (TLV-TWA): 10 mg/m ³ [Stearates (except stearates of toxic metals), Inhalable fraction]
	Stearic acid	57-11-4	8-Hour Exposure Limit (TLV-TWA): 3 mg/m ³ [Stearates (except stearates of toxic metals), Respirable fraction]
	Hydrotreated Heavy Paraffinic Distillates	64742-54-7	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction)
	Mineral Oil	8042-47-5	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
	Hydrotreated Heavy Paraffinic Distillates	64742-54-7	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
United States (OSHA)	Zinc oxide	1314-13-2	OSHA PEL TWA 5 mg/m ³ (Fume)
	Zinc oxide	1314-13-2	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Zinc oxide	1314-13-2	OSHA PEL TWA 5 mg/m ³ (Respirable fraction)
	Toluene	108-88-3	OSHA PEL 300 ppm Ceiling
	Toluene	108-88-3	OSHA PEL TWA 200 ppm
	Toluene	108-88-3	OSHA PEL 500 ppm Peak (10 mins)
	Carbon Black	1333-86-4	OSHA PEL TWA 3.5 mg/m ³
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	PEL: 5 mg/m ³ [Oil mist (Mineral)]
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	PEL: 500 ppm (2000 mg/m ³) [Petroleum Distillates (Naphtha) (Rubber Solvent)]

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Hydrotreated Light Naphthenic Distillates	64742-53-6	PEL: 500 ppm (2000 mg/m ³) [Petroleum Distillates (Naphtha) (Rubber Solvent)]
	Hydrotreated Light Naphthenic Distillates	64742-53-6	PEL: 5 mg/m ³ [Oil mist (Mineral)]
	Hydrotreated Light Naphthenic Distillates	64742-53-6	TWA: 5 mg/m ³ [Oil Mist (Mineral)]
	Hydrotreated Light Naphthenic Distillates	64742-53-6	TWA: 400 ppm (1600 mg/m ³) [Petroleum Distillates (Naphtha) (Rubber Solvent)]
	Mineral Oil	8042-47-5	PEL: 5 mg/m ³ [Oil mist (Mineral)]
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	OSHA Z-1 PEL: 5 mg/m ³ (Mineral oil, mist)
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	OSHA Z-1 PEL: 500 ppm (Petroleum distillates (Naphtha)(Rubber solvent))
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	OSHA TWA: 5 mg/m ³ (Mineral oil, mist)
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	OSHA TWA: 400 ppm (Petroleum distillates (Naphtha)(Rubber solvent))
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	OSHA TWA: 1600 mg/m ³ (Petroleum distillates (Naphtha)(Rubber solvent))
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	PEL: 5 mg/m ³ [Oil mist (Mineral)]
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	PEL: 500 ppm (2000 mg/m ³) [Petroleum Distillates (Naphtha) (Rubber Solvent)]
	Hydrotreated Heavy Paraffinic Distillates	64742-54-7	OSHA TWA: 5 mg/m ³ (Mineral oil, mist)
	Mineral Oil	8042-47-5	PEL: 5 mg/m ³ [Oil mist (Mineral)]
NIOSH	Toluene	108-88-3	NIOSH TWA 375.0 mg/m ³ ; 100 ppm
	Toluene	108-88-3	NIOSH STEL 560 mg/m ³ ; 150 ppm
	Carbon Black	1333-86-4	NIOSH REL TWA 0.1 mg PAHs/m ³ [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)]
	Zinc oxide	1314-13-2	NIOSH REL TWA 5.0 mg/m ³ ; ST 10 mg/m ³ (Fume)
	Zinc oxide	1314-13-2	NIOSH REL TWA 5.0 mg/m ³ ; C 15 mg/m ³ (Dust)
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	IDLH: 2500 mg/m ³ [Oil mist (Mineral)]
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	REL (for up to a 10-hour workday during a 40-hour workweek): 5 mg/m ³ [Oil mist (Mineral)]
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	REL (for up to a 10-hour workday during a 40-hour workweek): 350 mg/m ³ [Petroleum distillates (Naphtha)]

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	STEL: 10 mg/m ³ [Oil mist (Mineral)]
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	Ceiling (15-minute time period): 1800 mg/m ³ [Petroleum distillates (Naphtha)]
	Hydrotreated Heavy Naphthenic Distillates	64742-52-5	IDLH: 1100 ppm [Petroleum distillates (Naphtha)]
	Mineral Oil	8042-47-5	REL (for up to a 10-hour workday during a 40-hour workweek): 5 mg/m ³ [Oil mist (Mineral)]
	Mineral Oil	8042-47-5	STEL: 10 mg/m ³ [Oil mist (Mineral)]
	Mineral Oil	8042-47-5	IDLH: 2500 mg/m ³ [Oil mist (Mineral)]
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	STEL: 10 mg/m ³ (Mineral oil, mist)
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek]: 350 mg/m ³ (Petroleum distillates, naphtha)
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	NIOSH Immediately dangerous to life or health (IDLH) concentration: 2500 mg/m ³ (Mineral oil, mist)
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	NIOSH 15-min Ceiling: 1800 mg/m ³ (Petroleum distillates, naphtha)
	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	64742-65-0	NIOSH Immediately dangerous to life or health (IDLH) concentration: 1100 ppm (Petroleum distillates, naphtha)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	IDLH: 2500 mg/m ³ [Oil mist (Mineral)]
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	REL (for up to a 10-hour workday during a 40-hour workweek): 5 mg/m ³ [Oil mist (Mineral)]
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	REL (for up to a 10-hour workday during a 40-hour workweek): 350 mg/m ³ [Petroleum distillates (Naphtha)]
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	STEL: 10 mg/m ³ [Oil mist (Mineral)]
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	Ceiling (15-minute time period): 1800 mg/m ³ [Petroleum distillates (Naphtha)]
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	IDLH: 1100 ppm [Petroleum distillates (Naphtha)]
	Hydrotreated Heavy Paraffinic Distillates	64742-54-7	Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek]: 5 mg/m ³ (Oil mist, Mineral)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Hydrotreated Heavy Paraffinic Distillates	64742-54-7	NIOSH STEL: 10 mg/m ³ (Oil mist, Mineral)
	Hydrotreated Heavy Paraffinic Distillates	64742-54-7	NIOSH Immediately dangerous to life or health (IDLH) concentration: 2500 mg/m ³ (Mineral oil, mist)
	Mineral Oil	8042-47-5	REL (for up to a 10-hour workday during a 40-hour workweek): 5 mg/m ³ [Oil mist (Mineral)]
	Mineral Oil	8042-47-5	STEL: 10 mg/m ³ [Oil mist (Mineral)]
	Mineral Oil	8042-47-5	IDLH: 2500 mg/m ³ [Oil mist (Mineral)]
	Carbon Black	1333-86-4	NIOSH REL TWA 0.1 mg PAHs/m ³ [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)]

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

For continuous contact we recommend nitrile gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

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Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Black Putty
Odor	Strong Solvent
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	-95°C
Initial boiling point/range	232°F
Flash point (closed cup)	7°C (44.6°F)
Evaporation rate	2.24
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	7.1
Lower flammability/explosive limit	1.1
Vapor pressure	22 mmHg
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	1.03
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

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SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Toluene	Irritating to the skin.
Sulfur	Irritating to the skin.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Insoluble sulfur	Irritating effect on the eyes.

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction

Product data:

No data available.

Substance data:

Name	Result
2,2' Dibenlamido diphenyl disulphide	Sensitization possible through skin contact.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Species	Result
Hydrotreated Heavy Naphthenic Distillates	Not applicable	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.
Carbon Black	Not applicable	The IARC carcinogenic classification and California Proposition 65 Warning only apply to airborne, unbound particles of respirable size of Carbon Black.
Hydrotreated Light Naphthenic Distillates	Not applicable	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

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Name	Species	Result
Hydrotreated Heavy Paraffinic Distillates	Not applicable	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.
Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	Not applicable	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

International Agency for Research on Cancer (IARC):

Name	Classification
Natural Rubber	Group 3 - Not classifiable as to its carcinogenicity to humans
Toluene	Group 3 - Not classifiable as to its carcinogenicity to humans
Carbon Black	Group 2B - Possibly carcinogenic to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Suspected of damaging fertility or the unborn child

Product data:

No data available.

Substance data:

Name	Result
Toluene	Suspected of damaging fertility or the unborn child.
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	Suspected of damaging the unborn child if exposed orally.

Specific target organ toxicity (single exposure)

Assessment: May cause drowsiness or dizziness

Product data:

No data available.

Substance data:

Name	Result
Toluene	Component affects the central nervous system.

Specific target organ toxicity (repeated exposure)

Assessment: May cause damage to organs through prolonged or repeated exposure

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: May be fatal if swallowed and enters airways

Product data:

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No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Harmful to aquatic life

Product data: No data available.

Substance data:

Name	Result
Zinc oxide	Daphnia magna (Water flea) - 0.098 mg/l - 48 h
	Oncorhynchus mykiss (rainbow trout) - 1.1 mg/l - 96.0 h
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	NOEC - Selenastrum capricornutum (green algae) - > 0.2 mg/l - 72 h

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	1993
UN proper shipping name	Flammable Liquid, n.o.s. (Toluene)

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UN transport hazard class(es)	3	
Packing group	II	
Environmental hazards	None	
Special precautions for user	None	

International Maritime Dangerous Goods (IMDG)

UN number	1993	
UN proper shipping name	Flammable Liquid, n.o.s. (Toluene)	
UN transport hazard class(es)	3	
Packing group	II	
Environmental hazards	None	
Special precautions for user	None	
EmS number	F-E, S-E	
Excepted quantities	E2	
Limited quantity	1L	

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	1993	
UN proper shipping name	Flammable Liquid, n.o.s. (Toluene)	
UN transport hazard class(es)	3	
Packing group	II	
Environmental hazards	None	
Special precautions for user	None	
Excepted quantities	E2	
Limited quantity	1L	

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

9003-31-0	Natural Rubber	Listed
135-57-9	2,2' Dibenzamido diphenyl disulphide	Listed
1314-13-2	Zinc oxide	Listed
108-88-3	Toluene	Listed
1333-86-4	Carbon Black	Listed
8042-47-5	Mineral Oil	Listed
68610-51-5	Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	Listed
64742-53-6	Hydrotreated Light Naphthenic Distillates	Listed

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7704-34-9	Sulfur	Listed
64742-54-7	Hydrotreated Heavy Paraffinic Distillates	Listed
64742-65-0	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	Listed
9035-99-8	Insoluble sulfur	Listed
64742-52-5	Hydrotreated Heavy Naphthenic Distillates	Listed
57-11-4	Stearic acid	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

1314-13-2	Zinc oxide	Listed
108-88-3	Toluene	Listed
9003-31-0	Natural Rubber	Not Listed
64742-53-6	Hydrotreated Light Naphthenic Distillates	Not Listed
135-57-9	2,2' Dibenzamido diphenyl disulphide	Not Listed
7704-34-9	Sulfur	Not Listed
1333-86-4	Bounded Carbon Black	Not Listed
9035-99-8	Insoluble sulfur	Not Listed
64742-65-0	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	Not Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Not Listed
57-11-4	Stearic acid	Not Listed
64742-54-7	Hydrotreated Heavy Paraffinic Distillates	Not Listed
68610-51-5	Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	Not Listed
8042-47-5	Mineral Oil	Not Listed

CERCLA:

108-88-3	Toluene	Listed	1000
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RCRA:

108-88-3	Toluene	Listed	U220
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Section 112(r) of the Clean Air Act (CAA):

108-88-3	Toluene	Listed
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Massachusetts Right to Know:

9003-31-0	Natural Rubber	Not Listed
1333-86-4	Carbon Black	Listed

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1314-13-2	Zinc oxide	Listed
64742-53-6	Hydrotreated Light Naphthenic Distillates	Listed
108-88-3	Toluene	Not Listed
135-57-9	2,2' Dibenzamido diphenyl disulphide	Not Listed
1333-86-4	Bounded Carbon Black	Listed
9035-99-8	Insoluble sulfur	Not Listed
64742-65-0	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed
57-11-4	Stearic acid	Not Listed
64742-54-7	Hydrotreated Heavy Paraffinic Distillates	Listed
68610-51-5	Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	Not Listed
7704-34-9	Sulfur	Listed
8042-47-5	Mineral Oil	Listed
7704-34-9	Sulfur	Not Listed
64742-52-5	Hydrotreated Heavy Naphthenic Distillates	Listed

New Jersey Right to Know:

9003-31-0	Natural Rubber	Not Listed
1314-13-2	Zinc oxide	Listed
64742-53-6	Hydrotreated Light Naphthenic Distillates	Listed
108-88-3	Toluene	Listed
135-57-9	2,2' Dibenzamido diphenyl disulphide	Not Listed
1333-86-4	Bounded Carbon Black	Listed
9035-99-8	Insoluble sulfur	Not Listed
64742-65-0	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed
57-11-4	Stearic acid	Not Listed
64742-54-7	Hydrotreated Heavy Paraffinic Distillates	Listed
68610-51-5	Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	Not Listed
7704-34-9	Sulfur	Listed
1333-86-4	Carbon Black	Listed
8042-47-5	Mineral Oil	Listed
7704-34-9	Sulfur	Not Listed
64742-52-5	Hydrotreated Heavy Naphthenic Distillates	Listed

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New York Right to Know:

9003-31-0	Natural Rubber	Not Listed
1314-13-2	Zinc oxide	Listed
64742-53-6	Hydrotreated Light Naphthenic Distillates	Not Listed
108-88-3	Toluene	Not Listed
135-57-9	2,2' Dibenzamido diphenyl disulphide	Not Listed
1333-86-4	Bounded Carbon Black	Not Listed
9035-99-8	Insoluble sulfur	Not Listed
64742-65-0	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	Not Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Not Listed
57-11-4	Stearic acid	Not Listed
64742-54-7	Hydrotreated Heavy Paraffinic Distillates	Not Listed
68610-51-5	Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	Not Listed
7704-34-9	Sulfur	Listed
1333-86-4	Carbon Black	Not Listed
8042-47-5	Mineral Oil	Not Listed
7704-34-9	Sulfur	Not Listed
64742-52-5	Hydrotreated Heavy Naphthenic Distillates	Not Listed

Pennsylvania Right to Know:

9003-31-0	Natural Rubber	Not Listed
1314-13-2	Zinc oxide	Listed
64742-53-6	Hydrotreated Light Naphthenic Distillates	Listed
108-88-3	Toluene	Listed
135-57-9	2,2' Dibenzamido diphenyl disulphide	Not Listed
7704-34-9	Sulfur	Listed
1333-86-4	Bounded Carbon Black	Listed
9035-99-8	Insoluble sulfur	Not Listed
64742-65-0	Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed

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57-11-4	Stearic acid	Not Listed
64742-54-7	Hydrotreated Heavy Paraffinic Distillates	Listed
68610-51-5	Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene	Not Listed
1333-86-4	Carbon Black	Listed
8042-47-5	Mineral Oil	Listed
64742-52-5	Hydrotreated Heavy Naphthenic Distillates	Listed

California Proposition 65: ⚠️WARNING: This product can expose you to Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-2-0

HMIS: 2-2-0

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End of Safety Data Sheet