

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 09.27.2017

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High Temp Flat Black

SECTION 1: Identification

Product identifier

Product name: High Temp Flat Black

Product code: 44101; 44104; 44105; 44116; 44155



Recommended use of the product and restriction on use

Relevant identified uses: Paints and coatings

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

P.O.R. Products

38 Portman Road

New Rochelle, NY 10801

914-636-0700

Emergency telephone number:

United States

ChemTel Inc.

+1 800 255 3924

+1 813 248 0585

SECTION 2: Hazard(s) identification

GHS classification:

Flammable liquids, category 3

Aspiration hazard, category 1

Specific target organ toxicity - repeated exposure, category 1

Carcinogenicity, category 1A

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapor

H304 May be fatal if swallowed and enters airways

H372 Causes damage to organs through prolonged or repeated exposure

H350 May cause cancer

Precautionary statements:

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/light/equipment

P242 Use only non-sparking tools

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P243 Take precautionary measures against static discharge
P280 Wear protective gloves/protective clothing/eye protection/face protection
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P281 Use personal protective equipment as required.
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower
P370+P378 In case of fire: Use agents recommended in section 5 for extinction
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
P314 Get medical advice/attention if you feel unwell
P403+P235 Store in a well ventilated place. Keep cool
P405 Store locked up
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: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	10-15
CAS number: 1330-20-7	Xylene	<0.5
CAS number: 100-41-4	Ethyl Benzene	<0.5
CAS number: 22464-99-9	Zirconium 2-Ethylhexanoate	<0.5
CAS number: 68953-58-2	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	10-13
CAS number: 64742-47-8	Distillates (petroleum), hydrotreated light	<0.5
CAS number: 108-65-6	1-Methoxy-2-propanol acetate	<0.5
CAS number: 123-86-4	n-Butyl acetate	<0.5
CAS number: 14808-60-7	Silica, crystalline quartz	<0.5
CAS number: 136-52-7	Cobalt bis(2-ethylhexanoate)	<0.5
CAS number: 96-29-7	Methyl ethyl ketoxime	<0.5

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CAS number: 8052-41-3	Stoddard Solvent	<3
CAS number: 75864-23-2	Iron Manganese Oxide	65-70

Additional Information: None

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:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

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

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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
- 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
United States (OSHA)	Ethyl Benzene	100-41-4	OSHA PEL (STEL): 125.0 ppm
	Xylene	1330-20-7	STEL: 655 mg/m ³ (150 ppm)
	Ethyl Benzene	100-41-4	OSHA TWA 100 ppm 435 mg/m ³
	Xylene	1330-20-7	OSHA TWA: 435.0 mg/m ³ (100.0 ppm)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Stoddard Solvent	8052-41-3	OSHA PEL TWA 500 ppm (2900 mg/kg ³)
	n-Butyl acetate	123-86-4	OSHA PEL TWA 150.0 ppm (710.0 mg/m ³)
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	OSHA Z-1 TWA 500 ppm (2,000 mg/m ³)
	Silica, crystalline quartz	14808-60-7	OSHA Z-3 TWA 0.1 mg/m ³ (Respirable fraction); 0.3 mg/m ³ (Total dust)
	Zirconium 2-Ethylhexanoate	22464-99-9	OSHA PEL TWA 5 mg/m ³ , as Zr
ACGIH	Distillates (petroleum), hydrotreated light	64742-47-8	ACGIH TLV TWA: 200 mg/m ³
	Xylene	1330-20-7	ACGIH TWA: 100.0 ppm
	Ethyl Benzene	100-41-4	ACGIH TWA: 20.0 ppm
	Xylene	1330-20-7	ACGIH STEL: 150.0 ppm
	Ethyl Benzene	100-41-4	ACGIH STEL: 125.0 ppm
	Stoddard Solvent	8052-41-3	ACGIH TLV TWA: 100 ppm
	n-Butyl acetate	123-86-4	ACGIH TWA: 150 ppm
	n-Butyl acetate	123-86-4	ACGIH STEL: 200 ppm
	Silica, crystalline quartz	14808-60-7	ACGIH TLV TWA: 0.025 mg/m ³ (Respirable fraction)
	Cobalt bis(2-ethylhexanoate)	136-52-7	ACGIH TLV TWA: 0.02 mg/m ³ , as Co
	Zirconium 2-Ethylhexanoate	22464-99-9	ACGIH TLV TWA: 5.0 mg/m ³ , as Zr (long-term)
	Zirconium 2-Ethylhexanoate	22464-99-9	ACGIH STEL 10 mg/m ³ , as Zr (short-term)
NIOSH	Ethyl Benzene	100-41-4	NIOSH TWA 100.0 ppm 435.0 mg/m ³
	Ethyl Benzene	100-41-4	NIOSH ST 125.0 ppm 545.0 mg/m ³
	Xylene	1330-20-7	REL TWA: 435.0 mg/m ³ (100.0 ppm)
	Xylene	1330-20-7	REL ST: 655 mg/m ³ (150 ppm)
	Stoddard Solvent	8052-41-3	NIOSH REL TWA 350 mg/m ³
	Stoddard Solvent	8052-41-3	NIOSH REL C 1800 mg/m ³
	n-Butyl acetate	123-86-4	NIOSH TWA 150.0 ppm (710 mg/m ³)
	n-Butyl acetate	123-86-4	NIOSH ST 200.0 ppm (950.0 mg/m ³)
	Silica, crystalline quartz	14808-60-7	NIOSH TWA 0.05 mg/m ³
	Zirconium 2-Ethylhexanoate	22464-99-9	NIOSH REL TWA 5.0 mg/m ³ , as Zr
	Zirconium 2-Ethylhexanoate	22464-99-9	NIOSH ST 10.0 mg/m ³ , as Zr
WEEL	1-Methoxy-2-propanol acetate	108-65-6	WEEL TWA 50.0 ppm
	Methyl ethyl ketoxime	96-29-7	WEEL TWA: 10 ppm
Australia	Xylene	1330-20-7	TWA: 350 mg/m ³ (80 ppm) ; STEL: 655 mg/m ³ (150 ppm)
	Ethyl Benzene	100-41-4	TWA: 434 mg/m ³ (100 ppm); STEL: 543 mg/m ³ (125 ppm)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	1-Methoxy-2-propanol acetate	108-65-6	TWA: 274 mg/m ³ (50 ppm); STEL: 548 mg/m ³ (100 ppm)
	n-Butyl acetate	123-86-4	TWA: 713 mg/m ³ (150 ppm); STEL: 950 mg/m ³ (200 ppm)
	Silica, crystalline quartz	14808-60-7	TWA: 0.1 mg/m ³ (Respirable dust)
	Stoddard Solvent	8052-41-3	TWA: 790 mg/m ³

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.

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.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Flat Black Liquid
Odor	Characteristic
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	284°F (140°C)
Flash point (closed cup)	105°F (41°C)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.

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Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	6.6 hPa
Vapor density	Not determined or not available.
Density	1.50 g/mL
Relative density	Not determined or not available.
Solubilities	Not miscible.
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

VOC Content	565 (Calculated using US EPA Method 24A)
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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.

SECTION 11: Toxicological information

Acute toxicity

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

Product data: No data available.

Substance data:

Name	Route	Result
Ethyl Benzene	inhalation	LCLo - Rat - 4,000 ppm/4 h
Xylene	dermal	LD50 - Rat - > 1,700 mg/kg
	inhalation	LC50 - Rat - 5,000 ppm/4 h

Skin corrosion/irritation

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

Product data:

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No data available.

Substance data:

Name	Result
Xylene	Irritating to the skin.
Naphtha (petroleum), hydrotreated heavy	Irritating to the skin.
Cobalt bis(2-ethylhexanoate)	Irritating to the skin.
Zirconium 2-Ethylhexanoate	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
Methyl ethyl ketoxime	Risk of serious damage to the eyes.

Respiratory or skin sensitization

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

Product data:

No data available.

Substance data:

Name	Result
Cobalt bis(2-ethylhexanoate)	May cause sensitization by skin contact.
Methyl ethyl ketoxime	May cause sensitization by skin contact

Carcinogenicity

Assessment: May cause cancer

Product data: No data available.

Substance data:

Name	Species	Result
Stoddard Solvent	Stoddard Solvent	Component may cause cancer.
Silica, crystalline quartz	Silica, crystalline quartz	Airborne particles of respirable size are known to cause cancer.
Methyl ethyl ketoxime		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Ethyl Benzene	Group 2B - Possibly carcinogenic to humans
Xylene	Group 3 - Not classifiable as to its carcinogenicity to humans
Distillates (petroleum), hydrotreated light	Group 3 - Not classifiable as to its carcinogenicity to humans
Silica, crystalline quartz	Group 1 - Carcinogenic to humans

National Toxicology Program (NTP):

Name	Classification
Silica, crystalline quartz	Known to be human carcinogens

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Germ cell mutagenicity

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

Product data:

No data available.

Substance data:

Name	Result
Stoddard Solvent	May cause genetic defects.

Reproductive toxicity

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

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

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

Product data:

No data available.

Substance data:

Name	Result
Ethyl Benzene	Repeated exposure damages the hearing organs.
n-Butyl acetate	SE May cause drowsiness or dizziness. - Central nervous system
Naphtha (petroleum), hydrotreated heavy	Component affects the central nervous system.
Silica, crystalline quartz	Component affects the lungs through repeated exposure.

Specific target organ toxicity (repeated exposure)

Assessment: Causes 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:

No data available.

Substance data:

Name	Result
Ethyl Benzene	May be fatal if swallowed and enters airway.
Distillates (petroleum), hydrotreated light	May be fatal if swallowed and enters airway.
Naphtha (petroleum), hydrotreated heavy	May be fatal if swallowed and enters airway.

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.

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SECTION 12: Ecological information

Acute (short-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
Cobalt bis(2-ethylhexanoate)	NOEC - Pimephales promelas - 0.21 mg/L - 34 d

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	1263
UN proper shipping name	Paint
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None
Special precautions for user	None
Passenger air/rail	60L
Cargo aircraft only	220L
Stowage category	A

International Maritime Dangerous Goods (IMDG)

UN number	1263
UN proper shipping name	Paint


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UN transport hazard class(es)	3	
Packing group	III	
Environmental hazards	None	
Special precautions for user	None	
EmS number	F-E, S-E	
Stowage category	A	
Excepted quantities	E1	
Limited quantity	5L	

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

UN number	1263	
UN proper shipping name	Paint	
UN transport hazard class(es)	3	
Packing group	III	
Environmental hazards	None	
Special precautions for user	None	
ERG code	3L	
Excepted quantities	E1	
Passenger and cargo	60L	
Cargo aircraft only	220L	
Limited quantity	10L	

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
8052-41-3	Stoddard Solvent	Listed
75864-23-2	Iron Manganese Oxide	Listed
64742-47-8	Distillates (petroleum), hydrotreated light	Listed
108-65-6	1-Methoxy-2-propanol acetate	Listed
123-86-4	n-Butyl acetate	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Listed
14808-60-7	Silica, crystalline quartz	Listed
68953-58-2	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	Listed
136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
22464-99-9	Zirconium 2-Ethylhexanoate	Listed
96-29-7	Methyl ethyl ketoxime	Listed

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

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

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed

CERCLA:

100-41-4	Ethyl Benzene	Listed	1,000 lb
1330-20-7	Xylene	Listed	100 lb
123-86-4	n-Butyl acetate	Listed	5,000 lb

RCRA:

1330-20-7	Xylene	Listed	U239
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Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
8052-41-3	Stoddard Solvent	Listed
64742-47-8	Distillates (petroleum), hydrotreated light	Not Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
123-86-4	n-Butyl acetate	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Not Listed
14808-60-7	Silica, crystalline quartz	Listed

New Jersey Right to Know:

100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
8052-41-3	Stoddard Solvent	Not Listed
64742-47-8	Distillates (petroleum), hydrotreated light	Not Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
123-86-4	n-Butyl acetate	Not Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Not Listed

New York Right to Know:

100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
8052-41-3	Stoddard Solvent	Listed
64742-47-8	Distillates (petroleum), hydrotreated light	Not Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
123-86-4	n-Butyl acetate	Listed

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64742-48-9	Naphtha (petroleum), hydrotreated heavy	Not Listed
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Pennsylvania Right to Know:

100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
8052-41-3	Stoddard Solvent	Listed
14808-60-7	Silica, crystalline quartz	Listed
123-86-4	n-Butyl acetate	Listed

California Proposition 65:

⚠️ WARNING: This product can expose you to chemicals including Ethyl Benzene and Silica, crystalline quartz which are known to the State of California to cause cancer. 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: 3-2-0

HMIS: 3-2-0

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End of Safety Data Sheet