

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.24.2018

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Engine Enamel BLACK

SECTION 1: Identification

Product identifier

Product name: Engine Enamel BLACK

Product code: 42038, 42034



Recommended use of the product and restriction on use

Relevant identified uses: Coating compound/ Surface coating/ paint

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

Eye irritation, category 2A

Skin sensitization, category 1

Specific target organ toxicity - repeated exposure, category 1

Carcinogenicity, category 2

Reproductive toxicity, category 2

Acute aquatic hazard, category 3

Chronic aquatic hazard, category 2

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapor.

H319 Causes serious eye irritation.

H315+H320 Causes skin and eye irritation.

H317 May cause an allergic skin reaction.

H372 Causes damage to organs (state all organs affected, if known) through prolonged or repeated exposure. (state route of exposure if it is conclusively proven that no other routes of exposure cause the

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hazard)

H351 Suspected of causing cancer. (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

H361 Suspected of damaging fertility or the unborn child. (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

H402 Harmful to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

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/lighting/.../equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash ... thoroughly after handling.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

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.

P273 Avoid release to the environment.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use ... for extinction.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists get medical advice/attention

P321 Specific treatment (see ... on this label).

P363 Wash contaminated clothing before reuse

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

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

P314 Get medical advice/attention if you feel unwell

P308+P313 If exposed or concerned: Get medical advice/attention

P391 Collect spillage

P403+P235 Store in a well ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container to ...

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	1-3
CAS number: 1333-86-4	Carbon Black	1-3

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CAS number: 556-67-2	Octamethylcyclotetrasiloxane	2-5
CAS number: 136-52-7	Cobalt bis(2-ethylhexanoate)	<0.3
CAS number: 96-29-7	Methyl ethyl ketoxime	<0.3

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

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Remove contact lenses, if present and easy to do so

Continue rinsing for 15-20 minutes

Get medical advice if eye irritation persists

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:

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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

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:

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Cobalt bis(2-ethylhexanoate)	136-52-7	ACGIH TLV TWA: 0.02 mg/m ³ , as Co
	Carbon Black	1333-86-4	TLV-TWA 3.0 mg/m ³
WEEL	Methyl ethyl ketoxime	96-29-7	WEEL TWA: 10 ppm
United States (OSHA)	Naphtha (petroleum), hydrotreated heavy	64742-48-9	OSHA Z-1 TWA 500 ppm (2,000 mg/m ³)
	Carbon Black	1333-86-4	OSHA PEL TWA 3.5 mg/m ³
NIOSH	Octamethylcyclotetrasiloxane	556-67-2	NIOSH IDLH 10 ppm
	Carbon Black	1333-86-4	NIOSH REL TWA 0.1 mg PAHs/m ³ [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)]
	Carbon Black	1333-86-4	NIOSH REL TWA 3.5 mg/m ³ Ca
Australia	Carbon Black	1333-86-4	TWA: 3 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	Black Colored Liquid
Odor	Solvent-like

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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.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	0.848-0.945 g/cm ³
Relative density	Not determined or not available.
Solubilities	Not miscible.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Product is not self-igniting
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Product is not explosive . However, formation of explosive air/vapor mixtures are possible.
Oxidizing properties	Not determined or not available.

Other information

VOC Content	60-68% (Max - < 430 g/L)
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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:

Develops readily flammable gases/fumes.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.

Can react violently with oxygen rich (oxidizing) materials.

Toxic fumes may be released if heated above the decomposition point.

Used empty containers may contain product gases which form explosive mixtures with air.

Conditions to avoid:

Keep away from open flames, hot surfaces and sources of ignition.

Store away from oxidizing agents.

Incompatible materials:

CO, CO₂.

Hydrocarbons.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

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

Product data:

No data available.

Substance data:

Name	Result
Cobalt bis(2-ethylhexanoate)	Irritating to the skin.
Naphtha (petroleum), hydrotreated heavy	Irritating to the skin.

Serious eye damage/irritation

Assessment: Causes serious eye irritation

Product data:

No data available.

Substance data:

Name	Result
Methyl ethyl ketoxime	Risk of serious damage to the eyes.

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction

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: Suspected of causing cancer

Product data: No data available.

Substance data:

Name	Species	Result
Methyl ethyl ketoxime		May cause cancer.
Carbon Black	Carbon Black	The IARC carcinogenic classification and California Proposition 65 Warning only apply to airborne, unbound particles of respirable size of Carbon Black.
Naphtha (petroleum), hydrotreated heavy		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Cobalt bis(2-ethylhexanoate)	Group 2B
Carbon Black	Group 2B - Possibly carcinogenic to humans

National Toxicology Program (NTP):

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Name	Classification
Cobalt bis(2-ethylhexanoate)	Reasonably anticipated to be human carcinogens

Germ cell mutagenicity

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

Product data:

No data available.

Substance data:

Name	Result
Naphtha (petroleum), hydrotreated heavy	May cause genetic defects.

Reproductive toxicity

Assessment: Suspected of damaging fertility or the unborn child

Product data:

No data available.

Substance data:

Name	Result
Octamethylcyclotetrasiloxane	Suspected human reproductive toxicant.

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
Naphtha (petroleum), hydrotreated heavy	Component affects the central nervous system.

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

Product data:

No data available.

Substance data:

Name	Result
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: Harmful to aquatic life

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data:

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

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	Marine Pollutant (Stoddard Solvent)
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	Marine Pollutant (Stoddard Solvent)	
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	Marine Pollutant (Stoddard Solvent)	
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):

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
96-29-7	Methyl ethyl ketoxime	Listed
556-67-2	Octamethylcyclotetrasiloxane	Listed
1333-86-4	Carbon Black	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	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:

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
96-29-7	Methyl ethyl ketoxime	Not Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Not Listed

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CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

136-52-7	Cobalt bis(2-ethylhexanoate)	Not Listed
96-29-7	Methyl ethyl ketoxime	Not Listed
1333-86-4	Carbon Black	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Not Listed

New Jersey Right to Know:

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
96-29-7	Methyl ethyl ketoxime	Not Listed
1333-86-4	Carbon Black	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Not Listed

New York Right to Know:

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
96-29-7	Methyl ethyl ketoxime	Not Listed
1333-86-4	Carbon Black	Not Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Listed

Pennsylvania Right to Know:

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
96-29-7	Methyl ethyl ketoxime	Not Listed
1333-86-4	Carbon Black	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Listed

California Proposition 65:

⚠️ WARNING: This product can expose you to Bounded Carbon Black, which is 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: 2-2-0

HMIS: 2-2-0

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End of Safety Data Sheet