

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 10.06.2017

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High Temp Manifold Gray - Aerosol

SECTION 1: Identification

Product identifier

Product name: High Temp Manifold Gray - Aerosol

Product code: 44218



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 aerosols, category 1

Compressed gases

Skin irritation, category 2

Eye irritation, category 2A

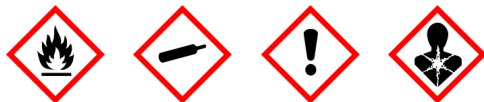
Reproductive toxicity, category 2

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

Specific target organ toxicity - repeated exposure, category 2

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H222 Extremely flammable aerosol

H280 Contains gas under pressure; may explode if heated

H315 Causes skin irritation

H319 Causes serious eye irritation

H361 Suspected of damaging fertility or the unborn child

H336 May cause drowsiness or dizziness

H373 May cause damage to organs through prolonged or repeated exposure

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Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P211 Do not spray on an open flame or other ignition source
- P251 Pressurized container. Do not pierce or burn, even after use
- P264 Wash skin thoroughly after handling
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P271 Use only outdoors or in a well-ventilated area
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P362 Take off contaminated clothing and wash before reuse
- P302+P352 If on skin: Wash with soap and water
- P332+P313 If skin irritation occurs: Get medical advice/attention
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- P308+P313 If exposed or concerned: Get medical advice/attention
- 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
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
- P410+P403 Protect from sunlight. Store in a well ventilated place
- 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: 1330-20-7	Xylene	1-3
CAS number: 108-88-3	Toluene	15-20
CAS number: 67-64-1	Acetone	20-25
CAS number: 74-98-6	Propane	15-20
CAS number: 106-97-8	n-Butane	8-12
CAS number: 7727-43-7	Barium Sulfate, Natural	3-8
CAS number: 68186-94-7	Manganese ferrite black spinel	1-5
CAS number: 64742-89-8	VM&P Naphtha	4-9

Additional Information: None

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SECTION 4: First aid measures

Description of first aid measures

General notes:

Get medical attention if you feel unwell

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

Take off all contaminated clothing

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

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:

Dizziness

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:

Treat symptomatically

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:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Contents under pressure

In a fire or if heated, a pressure increase will occur and the container may burst or explode

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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 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.
Do not puncture, crush, or incinerate containers, even when empty.
Protect cylinders from physical damage.
KEEP OUT OF REACH OF CHILDREN.

Conditions for safe storage, including any incompatibilities:

Protect from freezing and physical damage.
Protect from direct sunlight.
Store in a cool, well-ventilated area.
Store cylinders upright.
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	Xylene	1330-20-7	ACGIH TWA: 100.0 ppm
	Propane	74-98-6	ACGIH TLV TWA 2,500 ppm
	Barium Sulfate, Natural	7727-43-7	ACGIH TLV TWA 5.0 mg/m ³ (inhalable fraction, particulate containing no asbestos and <1% crystalline silica)
	n-Butane	106-97-8	ACGIH STEL 1,000 ppm
	Xylene	1330-20-7	ACGIH STEL: 150.0 ppm
	n-Butane	106-97-8	ACGIH TLV TWA 800 ppm
	Toluene	108-88-3	ACGIH TWA: 20 ppm
	Acetone	67-64-1	8-hour Exposure Limit (TLV-TWA): 250 ppm
	Acetone	67-64-1	15-minute STEL: 500 ppm
NIOSH	Barium Sulfate, Natural	7727-43-7	NIOSH TWA 5.0 mg/m ³ (Respirable fraction)
	n-Butane	106-97-8	NIOSH REL TWA 800 ppm (1,900 mg/m ³)
	Propane	74-98-6	NIOSH REL TWA 1,000 ppm (1,800 mg/m ³)
	Barium Sulfate, Natural	7727-43-7	NIOSH TWA 10.0 mg/m ³ (Total dust)
	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)
	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
	VM&P Naphtha	64742-89-8	IDLH: 1000 ppm [Naphtha (Coal tar)]
	VM&P Naphtha	64742-89-8	REL (for up to a 10-hour workday during a 40-hour workweek): 100 ppm (400 mg/m ³) [Naphtha (Coal tar)]
	Acetone	67-64-1	REL (for up to a 10-hour workday during a 40-hour workweek): 250 ppm (590 mg/m ³)
Acetone	67-64-1	IDLH: 2500 ppm	
United States (OSHA)	Propane	74-98-6	OSHA PEL TWA 1,000 ppm (1,800 mg/m ³)
	Xylene	1330-20-7	OSHA TWA: 435.0 mg/m ³ (100.0 ppm)
	Barium Sulfate, Natural	7727-43-7	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Xylene	1330-20-7	STEL: 655 mg/m ³ (150 ppm)
	Barium Sulfate, Natural	7727-43-7	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

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Toluene	108-88-3	OSHA PEL 500 ppm Peak (10 mins)
	VM&P Naphtha	64742-89-8	PEL 100 ppm (400 mg/m ³)
	Acetone	67-64-1	TWA: 750 ppm (1800 mg/m ³)
	Acetone	67-64-1	STEL: 1000 ppm (2400 mg/m ³)
Australia	Xylene	1330-20-7	TWA: 350 mg/m ³ (80 ppm) ; STEL: 655 mg/m ³ (150 ppm)
	Acetone	67-64-1	TWA: 1185 mg/m ³ (500 ppm) ; STEL: 2375 mg/m ³ (1000 ppm)
	n-Butane	106-97-8	TWA: 1900 mg/m ³ (800ppm)
	Barium Sulfate, Natural	7727-43-7	TWA: 10 mg/m ³
	Toluene	108-88-3	TWA: 191 mg/m ³ (50 ppm) ; STEL: 574 mg/m ³ (150 ppm)

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	Aerosol
Odor	Aromatic
Odor threshold	Not determined or not available.

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pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	-110 °C (-166 °F)
Flash point (closed cup)	-19 °C (-2 °F)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Extremely flammable
Upper flammability/explosive limit	10.9 Vol %
Lower flammability/explosive limit	1.5 Vol %
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Between 0.77 and 0.85 (Water equals 1.00)
Solubilities	Not determined or not available.
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	In use, may form flammable/explosive vapor-air mixture
Oxidizing properties	Not determined or not available.

Other information

VOC Content	585.2 g/l / 4.88 lb/gl
VOC content (less exempt solvents)	58.3 %
MIR Value	1.29
Solids Content	19.0%

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.

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Substance data:

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

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data:

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

Serious eye damage/irritation

Assessment: Causes serious eye irritation

Product data:

No data available.

Substance data:

Name	Result
Acetone	Causes serious eye irritation.

Respiratory or skin sensitization

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

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data:

Name	Species	Result
VM&P Naphtha	Solvent naphtha (petroleum), light aliphatic	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

International Agency for Research on Cancer (IARC):

Name	Classification
Xylene	Group 3 - Not classifiable as to its carcinogenicity to humans
Toluene	Group 3 - Not classifiable as to its carcinogenicity 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:

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Name	Result
VM&P Naphtha	The classification as a mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

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.

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.
Acetone	Specific Target Organ Toxicity, Single Exposure - May cause drowsiness or dizziness.

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

Product data:

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

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

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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	1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
Passenger air/rail	75 kg
Cargo aircraft only	150 kg

International Maritime Dangerous Goods (IMDG)

UN number	1950
UN proper shipping name	Aerosols, Limited Quantity
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
EmS number	F-D, S-U
Stowage category	For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but "Separated from" class 1 except division 1.4. For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2. For WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2.
Excepted quantities	E0

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


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UN number	1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
ERG code	10L
Excepted quantities	E0
Passenger and cargo	75 kg
Cargo aircraft only	150 kg
Limited quantity	30 kg G

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

1330-20-7	Xylene	Listed
108-88-3	Toluene	Listed
67-64-1	Acetone	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
7727-43-7	Barium Sulfate, Natural	Listed
68186-94-7	Manganese ferrite black spinel	Listed
64742-89-8	VM&P Naphtha	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:

1330-20-7	Xylene	Listed
108-88-3	Toluene	Listed
67-64-1	Acetone	Not Listed
64742-89-8	VM&P Naphtha	Not Listed

CERCLA:

1330-20-7	Xylene	Listed	100 lb
108-88-3	Toluene	Listed	1000 lb
67-64-1	Acetone	Listed	5,000

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RCRA:

1330-20-7	Xylene	Listed	U239
108-88-3	Toluene	Listed	U220
67-64-1	Acetone	Listed	U002

Section 112(r) of the Clean Air Act (CAA):

74-98-6	Propane	Listed
106-97-8	n-Butane	Listed

Massachusetts Right to Know:

1330-20-7	Xylene	Listed
108-88-3	Toluene	Listed
67-64-1	Acetone	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
7727-43-7	Barium Sulfate, Natural	Listed
68186-94-7	Manganese ferrite black spinel	Not Listed
64742-89-8	VM&P Naphtha	Not Listed

New Jersey Right to Know:

1330-20-7	Xylene	Listed
108-88-3	Toluene	Listed
67-64-1	Acetone	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
7727-43-7	Barium Sulfate, Natural	Not Listed
68186-94-7	Manganese ferrite black spinel	Not Listed
64742-89-8	VM&P Naphtha	Not Listed

New York Right to Know:

1330-20-7	Xylene	Listed
108-88-3	Toluene	Listed
67-64-1	Acetone	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
7727-43-7	Barium Sulfate, Natural	Not Listed
68186-94-7	Manganese ferrite black spinel	Not Listed
64742-89-8	VM&P Naphtha	Not Listed

Pennsylvania Right to Know:

1330-20-7	Xylene	Listed
108-88-3	Toluene	Listed

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67-64-1	Acetone	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
7727-43-7	Barium Sulfate, Natural	Listed

California Proposition 65:

⚠️WARNING: This product can expose you to chemicals including Ethylbenzene and Carbon Black, which are known to the State of California to cause cancer, and Toluene and Methanol, which are 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: 2-4-3

HMIS: 2-4-3

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End of Safety Data Sheet