

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 09.20.2018

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Top Coat Safety Orange Aerosol

SECTION 1: Identification

Product identifier

Product name: Top Coat Safety Orange Aerosol

Product code: 46218



Recommended use of the product and restriction on use

Relevant identified uses: Aerosol Spray

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

Aspiration hazard, category 1

Eye irritation, category 2A

Acute toxicity (inhalation), category 4

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

Carcinogenicity, category 2

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.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

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H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

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.

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

P271 Use only outdoors or in a well-ventilated area.

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.

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

P331 Do NOT induce vomiting.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P314 Get medical advice/attention 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/container according to local regulations.

Hazards not otherwise classified: None

Supplemental label elements:

15.66 percent of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 64742-48-9	Aliphatic Petroleum Naphtha	0.1-1
CAS number: 108-65-6	PM Acetate	1-3
CAS number: 123-86-4	n-Butyl acetate	20-26
CAS number: 13463-67-7	Titanium Dioxide	1-3
CAS number: 67-64-1	Acetone	35-40
CAS number: 74-98-6	Propane	15-21

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CAS number: 106-97-8	n-Butane	8-10
CAS number: 141-78-6	Ethyl acetate	1-3

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

Take precautions to ensure your own safety

Remove source of exposure or move person to fresh air

Get medical advice if you feel unwell or concerned

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

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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

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.

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

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Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
United States (OSHA)	Aliphatic Petroleum Naphtha	64742-48-9	OSHA Z-1 TWA 500 ppm (2,000 mg/m ³)
	Titanium Dioxide	13463-67-7	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Ethyl acetate	141-78-6	OSHA PEL TWA 400 ppm (1,400 mg/m ³)
	Propane	74-98-6	OSHA PEL TWA 1,000 ppm (1,800 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)
	n-Butyl acetate	123-86-4	OSHA PEL TWA 150.0 ppm (710.0 mg/m ³)
ACGIH	n-Butane	106-97-8	ACGIH STEL 1,000 ppm
	Propane	74-98-6	ACGIH TLV TWA 2,500 ppm
	Titanium Dioxide	13463-67-7	ACGIH TLV TWA: 10 mg/m ³
	Ethyl acetate	141-78-6	ACGIH TLV TWA 400 ppm
	n-Butane	106-97-8	ACGIH TLV TWA 800 ppm
	Acetone	67-64-1	8-hour Exposure Limit (TLV-TWA): 250 ppm
	Acetone	67-64-1	15-minute STEL: 500 ppm
	n-Butyl acetate	123-86-4	ACGIH TWA: 150 ppm
	n-Butyl acetate	123-86-4	ACGIH STEL: 200 ppm
WEEL	PM Acetate	108-65-6	WEEL TWA 50.0 ppm
NIOSH	Titanium Dioxide	13463-67-7	IDLH: 5,000 mg/m ³
	Ethyl acetate	141-78-6	NIOSH REL TWA 400 ppm (1,400 mg/m ³)
	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)
	Ethyl acetate	141-78-6	IDLH: 2,000 ppm
	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
	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)

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.

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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 - Pressurized Liquid
Odor	Solvent Odor
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	Not determined or not available.
Flash point (closed cup)	Less than -18 degrees C (less than -0.4 degrees F), c.c.
Evaporation rate	Faster than ether
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	Not determined or not available.
Relative density	0.768
Solubilities	Negligible.
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.

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Oxidizing properties	Not determined or not available.
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Other information

VOC % by weight	48.21
HAPS PERCENT BY WEIGHT	0
MIR NUMBER (EPA AND CA)	0.58/0.517

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:

Keep away from heat, sparks and flames.

Incompatible materials:

Strong oxidizing agents.

Hazardous decomposition products:

CO, CO₂ - by fire.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Harmful if inhaled

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
Aliphatic Petroleum Naphtha	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.
Ethyl acetate	Irritating effect on the eyes.

Respiratory or skin sensitization

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

Product data:

No data available.

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Substance data: No data available.

Carcinogenicity

Assessment: Suspected of causing cancer

Product data: No data available.

Substance data:

Name	Species	Result
Titanium Dioxide		Airborne, unbound particles of respirable size are known to cause cancer.
Aliphatic Petroleum Naphtha		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Titanium Dioxide	Group 2B

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:

Name	Result
Aliphatic Petroleum Naphtha	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: May cause drowsiness or dizziness

Product data:

No data available.

Substance data:

Name	Result
Acetone	Specific Target Organ Toxicity, Single Exposure - May cause drowsiness or dizziness.
n-Butyl acetate	SE May cause drowsiness or dizziness. - Central nervous system
Ethyl acetate	Component affects the central nervous system.
Aliphatic Petroleum Naphtha	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:

Name	Result
Aliphatic Petroleum Naphtha	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.

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.

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

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Cargo aircraft only	150 kg
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International Maritime Dangerous Goods (IMDG)

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
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)

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

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

67-64-1	Acetone	Listed
123-86-4	n-Butyl acetate	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Listed
141-78-6	Ethyl acetate	Listed

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13463-67-7	Titanium Dioxide	Listed
64742-48-9	Aliphatic Petroleum 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:

67-64-1	Acetone	Not Listed
108-65-6	PM Acetate	Not Listed
141-78-6	Ethyl acetate	Not Listed
13463-67-7	Titanium Dioxide	Not Listed
64742-48-9	Aliphatic Petroleum Naphtha	Not Listed

CERCLA:

67-64-1	Acetone	Listed	5,000
123-86-4	n-Butyl acetate	Listed	5,000 lb
141-78-6	Ethyl acetate	Listed	5,000

RCRA:

67-64-1	Acetone	Listed	U002
141-78-6	Ethyl acetate	Listed	U112

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

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

Massachusetts Right to Know:

67-64-1	Acetone	Listed
123-86-4	n-Butyl acetate	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed
141-78-6	Ethyl acetate	Listed
13463-67-7	Titanium Dioxide	Listed
64742-48-9	Aliphatic Petroleum Naphtha	Not Listed

New Jersey Right to Know:

67-64-1	Acetone	Listed
123-86-4	n-Butyl acetate	Not Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed
141-78-6	Ethyl acetate	Listed

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13463-67-7	Titanium Dioxide	Listed
64742-48-9	Aliphatic Petroleum Naphtha	Not Listed

New York Right to Know:

67-64-1	Acetone	Listed
123-86-4	n-Butyl acetate	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed
141-78-6	Ethyl acetate	Listed
13463-67-7	Titanium Dioxide	Listed
64742-48-9	Aliphatic Petroleum Naphtha	Listed

Pennsylvania Right to Know:

67-64-1	Acetone	Listed
123-86-4	n-Butyl acetate	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed
141-78-6	Ethyl acetate	Listed
13463-67-7	Titanium Dioxide	Listed
64742-48-9	Aliphatic Petroleum Naphtha	Listed

California Proposition 65:

⚠️ WARNING: This product can expose you to Titanium Dioxide, 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: 2-4-1

HMIS: 2-4-1

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End of Safety Data Sheet