

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.06.2018

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POR-15 WELD-THRU PRIMER AEROSOL

SECTION 1: Identification

Product identifier

Product name: POR-15 WELD-THRU PRIMER AEROSOL

Product code: 41418



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

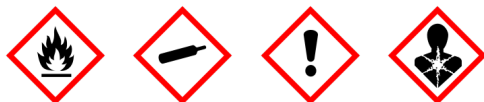
Eye irritation, category 2A

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

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

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

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P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P271 Use only outdoors or in a well-ventilated area
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
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
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 and container as instructed in Section 13

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 67-63-0	Isopropyl Alcohol	7-12
CAS number: 64742-47-8	Mineral Spirits	<2
CAS number: 108-65-6	PM Acetate	<2
CAS number: 13463-67-7	Titanium Dioxide	3-8
CAS number: 67-64-1	Acetone	20-25
CAS number: 78-93-3	Methyl ethyl ketone	15-20
CAS number: 74-98-6	Propane	12-17
CAS number: 106-97-8	n-Butane	7-12
CAS number: 557-05-1	Zinc stearate	<3
CAS number: 2807-30-9	Glycol Ether EP	<3

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

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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:

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

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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

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	n-Butane	106-97-8	ACGIH STEL 1,000 ppm
	Propane	74-98-6	ACGIH TLV TWA 2,500 ppm
	Mineral Spirits	64742-47-8	ACGIH TLV TWA: 200 mg/m ³
	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
	Methyl ethyl ketone	78-93-3	8-hour Exposure limit (TLV-TWA): 200 ppm
	Methyl ethyl ketone	78-93-3	15-minute STEL: 300 ppm

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Isopropyl Alcohol	67-63-0	ACGIH TLV STEL: 400 ppm
	Isopropyl Alcohol	67-63-0	ACGIH TLV TWA: 200 ppm
	Titanium Dioxide	13463-67-7	ACGIH TLV TWA: 10 mg/m ³
United States (OSHA)	Propane	74-98-6	OSHA PEL TWA 1,000 ppm (1,800 mg/m ³)
	Zinc stearate	557-05-1	PEL: 15 mg/m ³ (Total dust); 5 mg/m ³ (Respirable dust)
	Acetone	67-64-1	TWA: 750 ppm (1800 mg/m ³)
	Acetone	67-64-1	STEL: 1000 ppm (2400 mg/m ³)
	Methyl ethyl ketone	78-93-3	TWA: 200 ppm (590 mg/m ³)
	Methyl ethyl ketone	78-93-3	STEL: 300 ppm (885 mg/m ³)
	Isopropyl Alcohol	67-63-0	OSHA PEL TWA 400 ppm, 980 mg/m ³
	Titanium Dioxide	13463-67-7	OSHA PEL TWA 15 mg/m ³ (Total dust)
NIOSH	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)
	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
	Methyl ethyl ketone	78-93-3	REL (for up to a 10-hour workday during a 40-hour workweek): 200 ppm (590 mg/m ³)
	Methyl ethyl ketone	78-93-3	STEL: 300 ppm (885 mg/m ³)
	Isopropyl Alcohol	67-63-0	NIOSH IDLH 2,000 ppm
	Isopropyl Alcohol	67-63-0	NIOSH STEL 500 ppm, 1,225 mg/m ³
	Isopropyl Alcohol	67-63-0	NIOSH TWA 400 ppm, 980 mg/m ³
	Titanium Dioxide	13463-67-7	IDLH: 5,000 mg/m ³
Australia	PM Acetate	108-65-6	TWA: 274 mg/m ³ (50 ppm); STEL: 548 mg/m ³ (100 ppm)
	Titanium Dioxide	13463-67-7	TWA: 10 mg/m ³
	Isopropyl Alcohol	67-63-0	TWA: 713 mg/m ³ (150 ppm); STEL: 950 mg/m ³ (200 ppm)
	Acetone	67-64-1	TWA: 1185 mg/m ³ (500 ppm) ; STEL: 2375 mg/m ³ (1000 ppm)
	Methyl ethyl ketone	78-93-3	TWA: 150 ppm (445 mg/m ³) ; STEL: 300 ppm (890 mg/m ³)
WEEL	PM Acetate	108-65-6	WEEL TWA 50.0 ppm

Biological limit values:

Substance	Identifier	Determinant	Sampling time	Permissible limits
Methyl ethyl ketone	78-93-3	MEK	End of shift.	2 mg/L

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Substance	Identifier	Determinant	Sampling time	Permissible limits
Isopropyl Alcohol	67-63-0	Acetone	End of shift at end of workweek.	40 mg/L

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.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	-44 °C (-47 °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	12.0 Vol %
Lower flammability/explosive limit	1.7 Vol %
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.

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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 (less exempt solvents)	59.0%
MIR Value	0.66
Solids Content	15.5%

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
Glycol Ether EP	dermal	LD50 Rabbit male 1,337 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Causes serious eye irritation

Product data:

No data available.

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Substance data:

Name	Result
Acetone	Causes serious eye irritation.
Methyl ethyl ketone	Irritating effect on the eyes.
Isopropyl Alcohol	Causes eye irritation
Glycol Ether EP	Causes 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
Titanium Dioxide	Titanium Dioxide	Airborne, unbound particles of respirable size are known to cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Isopropyl Alcohol	Group 3 - Not classifiable as to its carcinogenicity to humans
Titanium Dioxide	Group 3 - Not classifiable as to its carcinogenicity to humans
Mineral Spirits	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: No data available.

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.
Methyl ethyl ketone	Component affects the central nervous system.
Isopropyl Alcohol	Component affects the central nervous system.

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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:

Name	Result
Mineral Spirits	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
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UN proper shipping name	Aerosols, flammable
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
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
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):

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67-64-1	Acetone	Listed
78-93-3	Methyl ethyl ketone	Listed
74-98-6	Propane	Listed
67-63-0	Isopropyl Alcohol	Listed
106-97-8	n-Butane	Listed
13463-67-7	Titanium Dioxide	Listed
557-05-1	Zinc stearate	Listed
2807-30-9	Glycol Ether EP	Listed
64742-47-8	Mineral Spirits	Listed
108-65-6	PM Acetate	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
78-93-3	Methyl ethyl ketone	Not Listed
67-63-0	Isopropyl Alcohol	Not Listed
557-05-1	Zinc stearate	Not Listed

CERCLA:

67-64-1	Acetone	Listed	5,000
78-93-3	Methyl ethyl ketone	Listed	5,000

RCRA:

67-64-1	Acetone	Listed	U002
78-93-3	Methyl ethyl ketone	Listed	U159

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
74-98-6	Propane	Listed
13463-67-7	Titanium Dioxide	Listed
67-63-0	Isopropyl Alcohol	Listed
78-93-3	Methyl ethyl ketone	Listed
2807-30-9	Glycol Ether EP	Not Listed
557-05-1	Zinc stearate	Listed
64742-47-8	Mineral Spirits	Not Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed

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New Jersey Right to Know:

74-98-6	Propane	Listed
64742-47-8	Mineral Spirits	Not Listed
67-63-0	Isopropyl Alcohol	Listed
67-64-1	Acetone	Not Listed
78-93-3	Methyl ethyl ketone	Not Listed
557-05-1	Zinc stearate	Not Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed
13463-67-7	Titanium Dioxide	Not Listed
2807-30-9	Glycol Ether EP	Not Listed

New York Right to Know:

67-64-1	Acetone	Listed
74-98-6	Propane	Listed
13463-67-7	Titanium Dioxide	Listed
67-63-0	Isopropyl Alcohol	Listed
78-93-3	Methyl ethyl ketone	Listed
2807-30-9	Glycol Ether EP	Not Listed
557-05-1	Zinc stearate	Not Listed
64742-47-8	Mineral Spirits	Not Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed

Pennsylvania Right to Know:

67-64-1	Acetone	Listed
74-98-6	Propane	Listed
13463-67-7	Titanium Dioxide	Listed
67-63-0	Isopropyl Alcohol	Listed
78-93-3	Methyl ethyl ketone	Listed
2807-30-9	Glycol Ether EP	Not Listed
557-05-1	Zinc stearate	Listed
64742-47-8	Mineral Spirits	Not Listed
106-97-8	n-Butane	Listed
108-65-6	PM Acetate	Not Listed

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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: 2-4-3

HMIS: 2-4-3

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End of Safety Data Sheet