

Safety Data Sheet
 according to 1907/2006/EC (REACH),
 1272/2008/EC (CLP), and GHS

Printing date: 23.10.2013

Revision: 23.10.2013

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: **POR-15 Tie Coat Primer**

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the preparation: Primer/Subcoating

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Absolute Coatings Inc.
 38 Portman Road
 New Rochelle, NY 10801
 Phone: 1-800-221-8010

1.4 Emergency telephone number:

ChemTel Inc.
 (800)255-3924, +1 (813)248-0585

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3; H226: Flammable liquid and vapour



GHS08 health hazard

Muta. 1B; H340: May cause genetic defects.

Carc. 1B; H350: May cause cancer.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

T; Toxic

R45-46: May cause cancer. May cause heritable genetic damage.

R10: Flammable.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS08

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Signal word: Danger**Hazard-determining components of labelling:**

Stoddard solvent
 Zirconium Carboxylate
 2-butanone oxime

Hazard statements

H226: Flammable liquid and vapour.
 H340: May cause genetic defects.
 H350: May cause cancer.

Precautionary statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P281: Use personal protective equipment as required.
 P202: Do not handle until all safety precautions have been read and understood.
 P370+P378: In case of fire: Use foam, powder, or carbon dioxide for extinction.
 P308+P313: IF exposed or concerned: Get medical advice/attention.
 P403+P235: Store in a well-ventilated place. Keep cool.
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Contains zirconium carboxylate, 2-butanone oxime. May produce an allergic reaction.
 Safety data sheet available on request.
 Restricted to professional users.
 Keep out of the reach of children

Hazard description:**WHMIS-symbols:**

B3 - Combustible liquid
 D2A - Very toxic material causing other toxic effects

**NFPA ratings (scale 0 - 4)**

Health = 2
 Fire = 2
 Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	2	2
FIRE	2	2
REACTIVITY	0	0

Health = 2
 Fire = 2
 Reactivity = 0

* - Indicates a long term health hazard from repeated or prolonged exposures.

HMIS Long Term Health Hazard Substances	
8052-41-3	Stoddard solvent
96-29-7	2-butanone oxime

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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3 Composition/information on ingredients

3.2 Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 471-34-1 EINECS: 207-439-9	calcium carbonate substance with a Community workplace exposure limit	50-100%
CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4	Stoddard solvent ☒ Xn R65 R10 ☠ Flam. Liq. 3, H226 ☠ Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	10-25%
CAS: 112926-00-8	Precipitated silica (Silica-Amorphous) substance with a Community workplace exposure limit	<10%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0	2-butanone oxime ☒ Xn R21-40; ☒ Xi R41; ☠ Xi R43 Carc. Cat. 3 ☠ Carc. 2, H351 ☠ Eye Dam. 1, H318 ☠ Acute Tox. 4, H312; Skin Sens. 1, H317	<10%
CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide substance with a Community workplace exposure limit	<10%

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

4.1 Description of first aid measures**General information:**

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Gastric or intestinal disorders.

Dizziness

Headache

Nausea

Profuse sweating

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Breathing difficulty
Coughing
Allergic reactions
Irritant to skin and mucous membranes.
Irritant to eyes.
Disorientation
Cyanosis

Hazards:

Danger of convulsion.
Danger of disturbed cardiac rhythm.
Danger of impaired breathing.
Condition may deteriorate with alcohol consumption.
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat skin and mucous membrane with antihistamine and corticoid preparations.
Monitor circulation, possible shock treatment.
If swallowed, gastric irrigation with added, activated carbon.
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.
Do not administer preparations of the adrenalin-ephedrine-group.

5 Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Foam
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
Gaseous extinguishing agents

For safety reasons unsuitable extinguishing agents: Water

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information: Eliminate all ignition sources if safe to do so.

6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Protect from heat.

6.2 Environmental precautions:

Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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6.4 Reference to other sections

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
 Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
 Protect from heat.
 Protect against electrostatic charges.
 Keep respiratory protective device available.
 Emergency cooling must be available in case of nearby fire.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Provide ventilation for receptacles.
 Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from foodstuffs.
 Store away from oxidizing agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
 Protect from heat and direct sunlight

7.3 Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection
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Additional information about design of technical facilities: No further data; see item 7.**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****471-34-1 calcium carbonate**

PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn

8052-41-3 Stoddard solvent

PEL (USA)	Long-term value: 2900 mg/m ³ , 500 ppm Short-term value: C 1800* mg/m ³
REL (USA)	Long-term value: 350 mg/m ³ *15-min
TLV (USA)	Long-term value: 525 mg/m ³ , 100 ppm Short-term value: 580 mg/m ³
EL (Canada)	Long-term value: 290 mg/m ³
EV (Canada)	Long-term value: 525 mg/m ³

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Trade Name: POR-15 Tie Coat Primer**112926-00-8 Precipitated silica (Silica-Amorphous)**

PEL (USA)	20mppcf or 80mg/m ³ /%SiO ₂
REL (USA)	Long-term value: 6 mg/m ³ See Pocket Guide App. C
TLV (USA)	TLV withdrawn
EL (Canada)	Long-term value: 4* 1,5** mg/m ³ *total; **respirable
EV (Canada)	Long-term value: 10 mg/m ³

13463-67-7 titanium dioxide

PEL (USA)	Long-term value: 15* mg/m ³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: (10) NIC-1* mg/m ³ *respirable fraction, NIC-A3
EL (Canada)	Long-term value: 10 mg/m ³ IARC 2B
EV (Canada)	Long-term value: 10 mg/m ³ total dust

DNELs: No further relevant information available.**PNECs:** No further relevant information available.**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Pregnant women should strictly avoid inhalation or skin contact.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

NIOSH approved organic vapor respirator equipped with a dust/mist prefilter should be used.

Protection of hands:

Use gloves constructed of chemical resistant material such as heavy nitrile rubber.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

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Trade Name: POR-15 Tie Coat Primer**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses

Body protection: Solvent resistant protective clothing**Limitation and supervision of exposure into the environment:**

No further relevant information available.

Risk management measures

See Section 7 for additional information.

No further relevant information available.

9 Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Colour:	Grey
Odour:	Product specific
Odour threshold:	Not determined.

pH-value:	Not determined.
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Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Boiling Point Range: 350-385 ° F / 177-197 ° C.

Flash point:	Flash Point Range: 108-109 ° F / 42-43 ° C.
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Flammability (solid, gaseous):	Not applicable.
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Ignition temperature:	475 °F / 246 °C
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Decomposition temperature:	Not determined.
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Self-igniting:	Product is not self-igniting..
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Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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Explosion limits:

Lower:	0.77 Vol %
Upper:	6.0 Vol %

Vapour pressure:	4.0 hPa (3.0 mm Hg)
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Density at 20°C:	1.32 g/cm ³
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Relative density:	Not determined.
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Vapour density:	>1.0 (Air = 1.0)
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Evaporation rate:	Not determined.
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Solubility in / Miscibility with

Water:	Insoluble.
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Partition coefficient (n-octanol/water) at 20°C:	>3,0 log POW (solvent base -estimate)
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Viscosity:

Dynamic:	Not determined.
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Kinematic:	Not determined.
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Solvent content:	
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Organic solvents:	38.1 % vol (381 g/L)
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9.2 Other information:	No further relevant information available.
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10 Stability and reactivity

10.1 Reactivity**10.2 Chemical stability:****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Flammable.

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

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

Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.

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

Forms flammable gases/fumes.

10.4 Conditions to avoid:

Keep ignition sources away - Do not smoke.

Store away from oxidizing agents.

10.5 Incompatible materials: No further relevant information available.**10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Nitrogen oxides

Toxic metal oxide smoke

11 Toxicological information

11.1 Information on toxicological effects**Acute toxicity:****Primary irritant effect:****On the skin:** Irritant to skin and mucous membranes.**On the eye:** Irritating effect.**Sensitization:** Sensitization possible through skin contact.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Danger through skin adsorption.

Carcinogenic.

The product can cause inheritable damage.

Toxic and/or corrosive effects may be delayed up to 24 hours.

Sensitisation: Sensitization possible by skin contact.**Repeated dose toxicity:**

May cause damage to organs through prolonged or repeated exposure.

Repeated exposures may result in skin and/or respiratory sensitivity.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Muta. 1B, Carc. 1B

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12 Ecological information**12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability:** Moderately /partly biodegradable**12.3 Bioaccumulative potential:** May be accumulated in organism**12.4 Mobility in soil:** No further relevant information available.**Ecotoxicological effects:****Remark:**

Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.

Additional ecological information:**General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects:** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Solvent naphtha**14 Transport information****14.1 UN-Number****DOT:**

N/A

Classified as combustible under US DOT regulations.
Labeling required for single packages ≥ 119 US gal/450 L to include Combustible symbol and Proper Shipping Name.**ADR, IMDG, IATA:**

UN1263

14.2 UN proper shipping name**DOT:**

N/A

ADR:

1263 PAINT

IMDG, IATA:

PAINT

14.3 Transport hazard class(es)**DOT****Class:**

N/A

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Trade Name: POR-15 Tie Coat Primer**ADR**

Class: 3 (F1) Flammable liquids.
Label: 3

IMDG, IATA

Class: 3 Flammable liquids.
Label: 3

14.4 Packing group

DOT: N/A
ADR, IMDG, IATA: III

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user:

Danger code (Kemler): Warning: Flammable Liquids.
30
EMS Number: F-E,S-E

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

Transport/Additional information:

ADR
Limited quantities (LQ): 5L
Transport category: 3
Tunnel restriction code: D/E

UN "Model Regulation": UN1263PAINT, 3, III

15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA)****SARA****Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients is listed.

Proposition 65 (California):**Chemicals known to cause cancer:**

References to chemical components listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

13463-67-7 titanium dioxide

carbon black

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

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Trade Name: POR-15 Tie Coat Primer**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

Carcinogenic Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

13463-67-7	titanium dioxide	2B
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TLV (Threshold Limit Value established by ACGIH)

13463-67-7	titanium dioxide	A4
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NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7	titanium dioxide
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OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Canada**Canadian Domestic Substances List (DSL)**

All ingredients is listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

8052-41-3	Stoddard solvent
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National regulations:**Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H340: May cause genetic defects.
H350: May cause cancer.
H351: Suspected of causing cancer.

R10: Flammable.
R21: Harmful in contact with skin.
R40: Limited evidence of a carcinogenic effect.
R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact.
R65: Harmful: may cause lung damage if swallowed.

Abbreviations and Acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)