

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/08/2015

Reviewed on 05/08/2015

1: Identification

- **1.1 Product identifier**
- **Trade name: CP-2 White Contrast Paint**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Magnetic Particle Inspection
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Sherwin Incorporated
5530 Borwick Ave
South Gate, CA 90280
Phone: (562) 861-6324
Fax: (562) 923-8370
<https://www.sherwininc.com/>
- **Information department:** Product safety department
- **1.4 Emergency telephone number:**
Chemtrec +1-800-424-9300 in U.S.A.; outside U.S.A. 001-703-527-3887
Chemtrec contract number 20103

2: Hazard(s) identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 2 H225 Highly flammable liquid and vapor.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labeled according to the CLP regulation.
- **Hazard pictograms**

GHS02 GHS07
- **Signal word** Danger
- **Hazard-determining components of labeling:**
Acetone
- **Hazard statements**
H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
- **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 Keep container tightly closed.
P240+P241 Use explosion-proof electrical/ventilating/lighting/equipment. Ground container.
P261 Avoid breathing product.
P271 Use in a well ventilated area.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

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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.

P233+P405 P501 Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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



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

3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 67-64-1	acetone	60-70%
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· **Most important ingredients**

CAS: 67-64-1	acetone	60-70%
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4: First-aid measures

- **4.1 Description of first aid measures**

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration.. Consult doctor if you feel unwell. In case of unconsciousness place patient stably in side position for transportation and call doctor.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly. Take off contaminated clothing. If skin irritation continues, consult a doctor.

· **After eye contact:**

Immediately rinse opened eye for 15l minutes under running water. Remove contact lens. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse mouth. Do not induce vomiting. Keep respiratory tract clear. If symptoms persist, immediately call for medical help. A person vomiting while lying on their back should be turned onto their side.

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- **4.2 Most important symptoms and effects, both acute and delayed**
May cause drowsiness, dizziness, headaches, severe eye irritation.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5: Fire-fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, sand, extinguishing powder. Do not use water.
Foam
ABC powder
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** Carbon monoxide and carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device, if necessary. Wear fully protective suit.

6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away. Eliminate ignition sources. Ensure adequate ventilation. Avoid breathing mist or vapors.
- **6.2 Environmental precautions:** 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).
Ensure adequate ventilation.
Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth;
DO NOT use combustible materials.
Place in a chemical waste container.
- **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** Prevent breathing of mists or vapors. Practice good hygiene..
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Use explosion-proof apparatus / fittings and spark-proof tools.
Containers may be hazardous when empty since residue liquid and vapors may be present
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
No smoking.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

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- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**

• **Components with limit values that require monitoring at the workplace:**

67-64-1 acetone

AICGH	TWA	500 ppm	
AICGH	STEL	750 ppm	TWA 500 ppm
OSHA	Z-1	1000 ppm	PEL 2400mg/m ³
NIOSH	TWA	590 mg/m ³	TWA 250 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:**



Ventilation System: A system of local or general exhaust is recommended to keep employee exposure below the airborne exposure limits. If exposure limit is exceeded use organic vapor respirator (type A), or self contained breathing apparatus. For dry powder nuisance exposure use type P96(US) or type Pi(EU EN143 particle respirator. For higher level protection use type OV/AG/P99(US or ABEK-P2(EU EN 143) respirator cartridges.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
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.

- **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.

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· Eye protection:

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Safety glasses

Tightly sealed goggles

- **Body protection:** Use protective suit. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid with settlement

Color: White

· **Odor:** sweet pungent

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Acetone portion: 56 °C (133 °F)

· **Flash point, solvent:** Acetone portion: -20°C (-4 °F)

· **Ignition temperature:** Not determined

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self igniting.

· **Danger of explosion:** Not determined.

· **Explosion limits:** Acetone portion:

Lower: 2.0 Vol %

Upper: 13.0 Vol %

· **Vapor pressure at 20 °C (68 °F):** No data available

· **Density at 20 °C (68 °F):** 0.965 g/cm³ (8.05 lbs/gal)

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water: slight

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not determined.

Kinematic: Not determined.

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- **Solvent content:**
- **Organic solvents:** Not determined
- **VOC content:** Not determined

- **9.2 Other information** No further relevant information available.

10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Avoid contact with bases, acids, and oxidizing agents
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Information on hazardous ingredients
- **LD/LC50 values that are relevant for classification:**

67-64-1 acetone

Acute oral toxicity	LD50 (rat)	> 5,800 mg/kg
Acute inhalation toxicity	LC50 (rat):	76.0 mg/l Exposure time: 4 h
Acute dermal toxicity:	LD50 :	> 7,426 mg/kg

- **Primary irritant effect:**
- **on the skin:** Mild
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
Information on hazardous ingredients

67-64-1 acetone

Toxicity, fish	LC50 (Oncorhynchus mykiss): 6,100 mg/l
Toxicity	EC50 (Daphnia magna): 7,630 mg/l

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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 of together with household garbage. Do not allow product to reach sewage system.
Waste/ unused products
Collect all waste in suitable and labeled containers and dispose according to local legislation.
- **Uncleaned packagings:**
- **Recommendation:**
Waste / used products
Waste products and empty packages dispose of in accordance with local regulations.
Empty containers may contain flammable residue and vapors.

14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, IMDG, IATA** UN1993
- **14.2 UN proper shipping name**
- **DOT** Flammable liquid n.o.s. (Acetone), 3, II
- **ADR**
- **IMDG, IATA**

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· **14.3 Transport hazard class(es)**

· DOT



· Class 3 Flammable liquids
· Label 3

· **ADR, IMDG, IATA**



· Class 3 Flammable liquids
· Label 3

· **14.4 Packing group**

· DOT, ADR, IMDG, IATA II

· **14.5 Environmental hazards:**

· Marine pollutant: No

· **14.6 Special precautions for user**

Warning: Flammable liquids

· **Transport/Additional information:**

· DOT

· Quantity limitations



On passenger aircraft/rail: 5 L



On cargo aircraft only: 60 L

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15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Sara

· **Section 302 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredient is listed

Section 311/312

Fire hazard Acute health hazard

· **TSCA (Toxic Substances Control Act):**

All components listed

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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.

- **Contact:** Sherwin Incorporated
- **Date of preparation / last revision** 05/08/2015 / -

· **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
 IATA: International Air Transport Association
 GHS: Globally Harmonised 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)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 Flam. Liq. 2: Flammable liquids, Hazard Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3