



Material Safety Data Sheet

Anti-Oxidant Paint - Brown

Date 16/09/10
Issue 1

1. Substance/ Preparation Identification & Company

Product Name	Anti-Oxidant Paint (CP2872-145)	Intended Use	Anti-Oxidant Coating
Company	AP Racing Wheler Road Coventry CV3 4LB	Description	Brown Liquid
		Telephone	+44 (0) 24 76 639595
		Fax	+44 (0) 24 76 639559
		Email	sales@apracings.co.uk

2. Hazards Identification

Skin Contact	Moderately to severely irritating. Absorption from skin contact may cause poisoning. Exposure may cause symptoms similar to those listed under ingestion. Repeated or prolonged exposure may cause dryness, reddening, itching, and inflammation. Repeated or prolonged exposure may cause dermatitis and/or allergic sensitization in some individuals.
Eye Contact	Severely irritating. Direct contact may cause irritation, corneal edema, and possible corneal opacity.
Inhalation	Inhalation may cause irritation of the respiratory tract. Other effects may include coughing, shortness of breath and symptoms similar to those listed under ingestion.
Ingestion	Ingested product may be corrosive to mouth, throat and stomach and cause harmful central nervous system effects. Effects may include excitation, euphoria, dizziness, drowsiness, blurred vision, head-ache, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Product may also cause tinnitus, cyanosis, cerebral edema, and liver and kidney damage.
Carcinogen Listings	IARC has determined that there is inadequate evidence for the carcinogenicity of amorphous silica to experimental animals and humans (IARC class-3b). IARC has found limited evidence for the carcinogenicity of formaldehyde in humans and classified formaldehyde as a known animal carcinogen. The Occupational Health and Safety Administration (OSHA) has designated formaldehyde as a known animal carcinogen. The American Conference of Governmental Industrial Hygienists (ACGIH) classifies formaldehyde as a suspect human carcinogen (a2).

3. Composition/ Information on Ingredients

General	A proprietary phenolic resin anti-oxidant coating containing ethyl alcohol, methanol, isopropanol, methyl isobutyl ketone, amorphous silica, formaldehyde and phenol **
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**Identity, CAS Numbers, &/or percent composition are trade secrets.

4. First Aid Measures

Skin Contact	If irritation develops, remove contaminated clothing immediately and wash contaminated skin at once with soap or mild detergent and water for 5 minutes. Do not rub or scratch exposed skin. If irritation persists, seek medical attention.
Eye Contact	In case of contact immediately wash eyes with large amounts of water for 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention immediately.
Inhalation	In case of overexposure immediately move person from contaminated area to fresh air at once. If not breathing, ensure open airway and institute cardio-



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Ingestion pulmonary resuscitation (CPR). Get medical attention immediately. If breathing difficulties occur, administer oxygen until medical assistance can be rendered. Keep affected person warm and at rest. Ingestion is an unlikely route of exposure. **DO NOT INDUCE VOMITING.** If victim is conscious, give 1-3 glasses water or milk to dilute stomach contents. Get medical attention immediately. Keep affected person warm and at rest. Gastric lavage with activated charcoal may be used by a physician to prevent absorption.

5. Fire Fighting Measures

Extinguishing Media Use dry chemical, alcohol foam, all purpose AFFF or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures and to protect personnel. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapour and to protect personnel attempting to stop leak. Use water to dilute spills and to flush away from sources of ignition. Do not flush down public sewers or other drainage systems.

Fire Hazards Product is dangerous when exposed to heat or flame. Fire may produce poisonous or irritating gas, fumes, or vapour.

Protective Equipment Exposed fire-fighters should wear NIOSH/MSHA approved self-contained breathing apparatus with full face mask and full protective equipment.

6. Accidental Release Measures

Personal Precautions Keep unnecessary people away. Stay upwind. Keep out of low-lying areas. Isolate hazard area and deny entry. See Personal Protection Information.

Environmental Precautions If tank or tanker is involved in fire, isolate an area for 1/2 mile in all directions. Advise any relevant authorities in accordance with local law

Clean Up Methods Small spills may be absorbed with same or other non-combustible absorbent material or other sorbent known to be compatible. Flush cleaned area with water. For large spills dike area far ahead of spill for later cleanup and disposal.

7. Handling & Storage

Handling Accidental ingestion of this material should be avoided. Use good personal hygiene. Do not eat, drink, apply cosmetics or smoke in areas of use or storage. Wash hands and face thoroughly after handling and before eating, drinking or smoking. Contaminated work clothes should not be brought home. A sensitized employee should not be exposed to the material which causes the sensitization.

Storage Store at ambient or lower temperature. Shelf life - 6 months. Empty containers may contain flammable/combustible or explosive residue or vapours. Do not cut, grind, drill, weld or reuse containers unless adequate precautions are taken against these hazards

8. Exposure Controls/ Personal Protection

Exposure Limits A proprietary phenolic resin anti-oxidant coating containing;
Ethyl Alcohol PEL 1,000 ppm (1,900 mg/m³) (OSHA)
TLV 1,000 ppm (1,900 mg/m³) (ACGIH)
Methanol PEL 200 ppm, STEL 250 ppm (OSHA)
TLV 200 ppm, STEL 250 ppm (ACGIH)
Isopropanol PEL 400 ppm (980 mg/m³); STEL 500 ppm



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Methyl Isobutyl Ketone PEL 50 ppm, (205 mg/m³) STEL 75 ppm (300 mg/m³) (OSHA)
TLV 50 ppm, (205 mg/m³) STEL 75 ppm (308 mg/m³) (ACGIH)
Amorphous Silica PEL 6 mg/m³ (TOTAL) (OSHA)
TLV 10 mg/m³ (TOTAL) (ACGIH)
Nuisance Dust PEL 5 mg/m³ (resp.), 15 mg/m³ (TOTAL) (OSHA)
TLV 10 mg/m³ (TOTAL) (ACGIH)
Formaldehyde PEL 0.75 ppm, STEL 2 ppm (OSHA)
TLV-CEILING 0.3 pp, (ACGIH)
TWA 0.016 ppm, 15-minute CEILING 0.1 ppm (NIOSH)
Phenol PEL (skin) 5 ppm (19 mg/m³) (OSHA)
TLV (skin) 5 ppm (19 mg/m³) (ACGIH)
TWA 5 ppm (19 mg/m³), 15 minute Ceiling (Skin) 15.6 ppm (60 mg/m³)(NIOSH)

Engineering Measures

Whenever possible use local exhaust ventilation to control airborne concentrations below the exposures guidelines specified by (OSHA) or other appropriate local regulations.

Skin Protection

Avoid skin contact. If necessary, when working with this substance, wear impervious gloves and protective clothing such as apron, arm covers, face shield, boots, or full body protection. A safety deluge shower should be located in the work area.

Eye Protection

Avoid eye contact with this material. Wear safety glasses or chemical goggles. Do not wear contact lenses when working with this substance unless chemical goggles are also used and care is taken not to touch the eyes with contaminated skin or materials. Provide an eye wash station in the work area.

Respiratory Protection

If exposure limits may possibly exceed the legislated exposure limits or respiratory irritation is experienced, **NIOSH/MSHA** approved respiratory protection should be worn. An industrial hygienist or other qualified professional should be consulted during the respiratory selection process to assure that the respiratory protection used is appropriate under the conditions of use.

Respiratory protection may be needed for non-routine or emergency situations. For high concentrations and for oxygen-deficient atmospheres, use a NIOSH/MSHA approved air-supplied respirator.

Other Protective Equipment

Depending on conditions, additional protection may be necessary such as face shield, apron, over-sleeves, or other protective clothing. Avoid taking un-washed work clothes home or provide disposable work clothing. Wash work clothes separately from other clothing. Rinse washing machine thoroughly after use. If clothing is to be laundered by someone else, inform launderer of proper procedure.

9. Physical & Chemical Properties

Description	A proprietary phenolic resin anti-oxidant coating
Colour	Brown Liquid
Odour	Paint-Like
pH	N/A
Boiling Point	N/A
Flash Point	21°C / 70°F
Flammability Limits	N/A
Vapour Pressure	ND
Vapour Density	(air=1): ND
Melting point	N/A
Solubility in Water	0%
Viscosity	14.000-15.000SEC (Zahn Cup#3) Brookfield Spindle/Speed vis. 1640 CPS
Specific Gravity	1.350-1.400
Percent Volatile	47.3%
Evaporation Rate	(Water=1):>1



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10. Stability & Reactivity

Stability Exposure to heat greater than 180°F will cause rapid polymerization via condensation reaction.

Incompatibility Incompatible with strong acids, bases, and oxidizing agents.

Hazardous Decomposition Products Hazardous decomposition products may include carbon monoxide, carbon dioxide, and hydrogen cyanide. Formaldehyde gas and unknown organic compounds may be produced.

11. Toxicological Information (Comments may be based on analogy with similar products)

Toxicological Information Persons with pre-existing skin and respiratory disorders may be more susceptible to the effects of this material. Methanol has been shown to be mutagenic in yeast and cause chromosome aberrations in yeast and grasshoppers.

12. Ecological Information (Comments may be based on analogy with similar products)

Ecotoxicity ND

13. Disposal Considerations

Disposal Dangers The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all applicable federal, state and local regulations. Discharge to any source of drinking water is prohibited.

Disposal Measures Regulations This substance, when discarded or disposed of, is a hazardous waste due to its flammability. Please check local waste regulations.
TSCA INVENTORY: All substances contained in this product are listed in the Toxic Substances Control Act (TSCA) Chemical Substance Inventory (US).

14. Transport Information

UN No /Class DOT CLASS: Flammable Liquid, Coating Solution, UN 1139, PG III Consult appropriate regulations

15. Regulatory Information

Sara Title III Information TSCA INVENTORY: All substances contained in this product are listed in the Toxic Substances Control Act (TSCA) Chemical Substance Inventory (US).
This product is classified as an immediate hazard, a delayed hazard, and as a fire hazard under the Hazard Categories of the Superfund Amendments and Reauthorization Act (SARA) Section 311/312 (40 CFR 370).
This product contains toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the Annual Toxic Chemical Release Reporting Requirements of SARA Section 313 (40 CFR 372).

COMPONENT	CAS NUMBER	MAXIMUM %
Formaldehyde	50-00-0	2.900
Methanol	67-56-1	1.200
Phenol	108-95-2	1.200

This product contains formaldehyde and phenol which are listed as Hazardous Air Pollutants under Section 112 of the Clean Air Act and are Regulated Pollutants



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pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42 with reference to Appendix D, Tables II-V).

Any unpermitted release of this material into the facility's process streams, storm water and/or process wastewater discharge is a violation of the clean water act. Facilities must notify the appropriate permitting agency prior to introducing this material into its discharges. Notification levels are described in 40 CFR 122.42(a)(1) and 122.42(a)(2).

16. Other Information

Formaldehyde is a listed chemical subject to the State of California Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986.

Formaldehyde and phenol are listed as Extraordinarily Hazardous Substances as defined in the Massachusetts Right-To-Know Law, Department of Health, Chapter 105, Section 670.005. Formaldehyde is listed as a Special Hazardous Substance as defined in Pennsylvania Right-To-Know Law, Section 3800.

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