



Safety Data Sheet

SDS No. 12128

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRECISION MATTHEWS HEAVY DUTY SYNTHETIC COOLANT

Product Use : Coolant

Manufacturer :

Precision Matthews - AMTECOL, Inc.
810 Wright Ave, Richmond, CA 94804, U.S.A.

Transportation Emergency & Emergency spill information :

Call CHEMTREC : (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)

Health Emergency : 1-866-268-1888

Other Product Information :

Technical Assistance/SDS info & Customer Service : 1-510-235-7979

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Hazards not otherwise classified (HNOC)

Other Information

- No known effect

SECTION 3. COMPOSITION INFORMATION/ INGREDIENTS

COMPONENTS	CAS NUMBER	% WEIGHT
MONOETHANOLAMINE	141-43-5	10 - 25
BORIC ACID	10043-35-3	10 - 20

SECTION 4. FIRST AID MEASURES

Eye Contact : Immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact : To remove the material from skin, use soap and water . Discard contaminated clothing and shoes or thoroughly clean before reuse .

Inhalation(Breathing) : Move the exposed person to fresh air . If not breathing, give artificial respiration . If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue

Ingestion(Swallowing) : If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person .

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Most important symptoms and effects, both acute and delayed

Symptoms None known

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

Water spray or fog is preferred; if water not available use dry chemical, CO₂ or regular foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

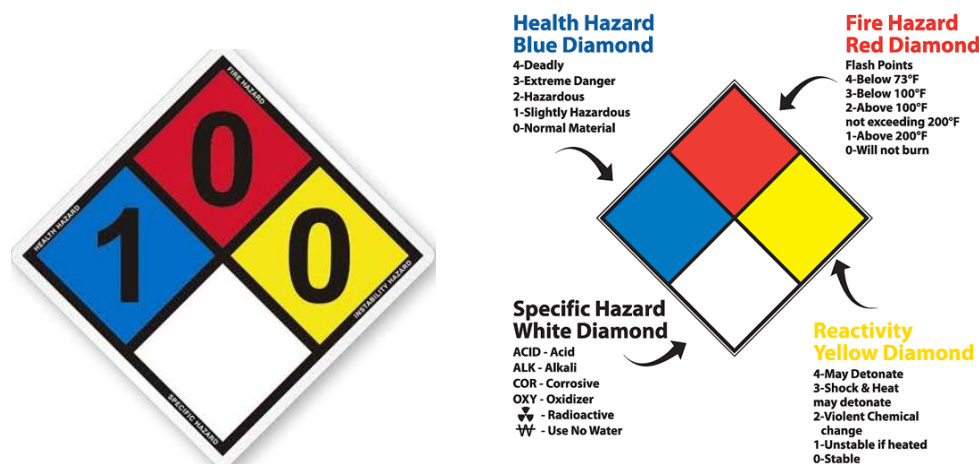
May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition.

Hazardous combustion products Carbon oxides. HCl.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA 704 HAZARD RATINGS:



SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Avoid contact with skin and eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

Other Information Report spills as required to the appropriate authorities.

Environmental precautions

Environmental precautions No unusual hazard.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for Clean-Up Take up mechanically, placing in appropriate containers for disposal.

Reporting: Follow prescribed procedures for reporting and responding to larger releases.

Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required

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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid contact with eyes. Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition.

Incompatible materials Acids and oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Use in well ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m³; ACGIH TLV STEL: 10 mg/m³; OSHA PEL TWA: 5 mg/m³).

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses with side-shields.

Skin and Body Protection Use protective gloves and clothing if contact with product is likely.

Respiratory protection If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear, Blue	Freezing Point : N/A
Odor : Mild	Solubility : Complete
Physical State : Liquid	Viscosity @ 100 °C : No data available
Percent Volatile : No data available	Vapor Pressure :<0.01 mmHg @ 20 °C (68 °F)
Boiling Point : 212°F(100°C)	Vapor Density (air=1) : >1
Melting Point : Not Applicable(N/A)	pH : 9.3
Specific Gravity : >1	Auto-ignition Temperature : No data

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No unusual hazard

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal use conditions.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

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Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Acids and oxidizing agents.

Hazardous decomposition products

Carbon oxides. HCl.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known information

Inhalation No unusual hazard.

Eye contact No unusual hazard.

Skin contact No unusual hazard.

Ingestion No unusual hazard.

Information on toxicological effects

Symptoms None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation OECD 404 - Non-irritating and non-corrosive (rabbit).

Serious eye damage/eye irritation No unusual hazard.

Sensitization No known effect.

Mutagenic Effects Not mutagenic in AMES Test.

Carcinogenicity No known effect.

Reproductive effects No known effect.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic toxicity No known effect.

Aspiration Hazard No unusual hazard.

Numerical measures of toxicity - Product Information

Oral LD50 > 15000 mg/kg (rat)

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No unusual hazard

Persistence/Degradability

Readily biodegradable 0.5% Concentration

Bioaccumulation/ Accumulation

No unusual hazard.

Other adverse effects None known

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Do not reuse empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT

UN-No Not regulated

Proper shipping name Not regulated

Hazard Class Not regulated

Packing group Not regulated

Labels Not regulated

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Description Not regulated

TDG

UN-No Not regulated

Proper shipping name Not regulated

Hazard Class Not regulated

Packing group Not regulated

Labels Not regulated

Description Not regulated

IMDG/IMO

UN-No Not regulated

Proper shipping name Not applicable

Hazard Class Not regulated

Packing group Not regulated

Labels Not regulated

Description Not regulated

ADR/RID

UN-No Not regulated

Proper shipping name Not applicable

Hazard Class Not regulated

Packing group Not regulated

ADR/RID-Labels Not regulated

Description Not regulated

IATA

UN-No Not regulated

Proper shipping name Not applicable

Hazard Class Not regulated

Labels Not regulated

Packing group Not regulated

Description Not regulated

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard No

Chronic Health Hazard No

Fire hazard No

Sudden release of pressure hazard No

Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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U.S. Regulations & Inventories

California Proposition 65

An ingredient contained within this product is listed under California Proposition 65.

U.S. State Right-to-Know Regulations

No regulatory requirements found. All components of this product are either listed on the TSCA inventory or are exempt from listing requirements.

U.S. EPA Label information

EPA Pesticide registration number Not applicable

SECTION 16. OTHER INFORMATION

HMIS RATINGS: Health: 1 Flammability: 0 Reactivity: 0 (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

OSHA - Occupational Safety and Health Administration	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
ACGIH - American Conference of Government Industrial Hygienists	CAS - Chemical Abstract Service Number
GHS - Globally Harmonized System	SDS - Safety Data Sheet
API - American Petroleum Institute	IMO/IMDG - International Maritime Dangerous Goods Code
DOT - Department of Transportation (USA)	NCEL - New Chemical Exposure Limit
IARC - International Agency for Research on Cancer	NFPA - National Fire Protection Association (USA)
EPA - Environmental Protection Agency	SCBA - Self-Contained Breathing Apparatus
TLV - Threshold Limit Value	NTP - National Toxicology Program (USA)
HMIS -Hazardous Materials Identification System	WHMIS -Workplace Hazardous Materials Information System
NIOSH-National Institute for Occupational Safety and Health	TSCA-Toxic Substances Control Act
CASRN - Chemical Abstracts Service Registry Number	CERCLA - The Comprehensive Environmental Response, Compensation, and Liability Act

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INSHT - National Institute for Health and Safety at Work	IOPC - International Oil Pollution Compensation
LEL - Lower Explosive Limit	NE - Not Established
SARA - Superfund Amendments and Reauthorization Act	UEL - Upper Explosive Limit

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Disclaimer of Warranty : The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.