		Page: 1
SAFETY DATA SHEET		Revision Date: 09/23/2015
		Print Date: 10/29/2015
		SDS Number: 00000256353
Performax™ DC5202 COOLING WATER TREATMENT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 858364		Version: 1.0

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : Performax™ DC5202
COOLING WATER TREATMENT
™ Trademark, Solenis or its subsidiaries or affiliates,
registered in various countries

Recommended use of the chemical and restrictions on use

<p>Details of the supplier of the safety data sheet Solenis LLC 500 Hercules Road Wilmington, Delaware 19808 United States of America</p> <p>RegulatoryRequestsNA@solenis.com</p>	<p>Emergency telephone number 1-844-SOLENIS (844-765-3647) / 606-329-5705</p> <p>Product information 1-844-SOLENIS (844-765-3647)</p>
--	---

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

GHS Label element

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

Other hazards


None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components


SECTION 4. FIRST AID MEASURES

	Page: 2
SAFETY DATA SHEET	Revision Date: 09/23/2015
	Print Date: 10/29/2015
	SDS Number: 000000256353
Performax™ DC5202 COOLING WATER TREATMENT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 858364	Version: 1.0

- General advice : No hazards which require special first aid measures.
- If inhaled : If breathed in, move person into fresh air.
If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
stomach or intestinal upset (nausea, vomiting, diarrhea)
irritation (nose, throat, airways)
- Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO2)
Dry chemical
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

		Page: 3
SAFETY DATA SHEET		Revision Date: 09/23/2015
		Print Date: 10/29/2015
		SDS Number: 000000256353
Performax™ DC5202 COOLING WATER TREATMENT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 858364		Version: 1.0

for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.
- Other information : Comply with all applicable federal, state, and local regulations.


SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.
- Conditions for safe storage : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : No materials to be especially mentioned.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

- Engineering measures** : General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.
- Personal protective equipment**
Respiratory protection : No personal respiratory protective equipment normally required.

		Page: 4
SAFETY DATA SHEET		Revision Date: 09/23/2015
		Print Date: 10/29/2015
		SDS Number: 000000256353
Performax™ DC5202 COOLING WATER TREATMENT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 858364		Version: 1.0

- Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.
- Skin and body protection : Wear as appropriate:
Safety shoes
Wear resistant gloves (consult your safety equipment supplier).
- Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : liquid
- Colour : amber
- Odour : No information available.
- Odour Threshold : No data available
- pH : 4
- Melting point/freezing point : 32 °F / 0 °C
- Boiling point/boiling range : > 212 °F / > 100 °C
(1013 hPa)
- Flash point : Not applicable
- Evaporation rate : > 1
Ethyl Ether
- Flammability (solid, gas) : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : < 17.50 mmHg (20 °C)
- Relative vapour density : 0.6AIR=1
- Relative density : 1.2 (77.00 °F)
- Density : 1.210 - 1.245 g/cm³ (20 °C)

**SAFETY DATA SHEET**

Revision Date: 09/23/2015

Print Date: 10/29/2015

SDS Number: 000000256353

Version: 1.0

Performax™ DC5202 COOLING WATER
TREATMENT™ Trademark, Solenis or its subsidiaries or affiliates,
registered in various countries
858364

Solubility(ies)
Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-
octanol/water : No data available

Thermal decomposition : No data available

Viscosity
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous
reactions : Product will not undergo hazardous polymerization.


Conditions to avoid : temperature extremes
Freezing temperatures.

Incompatible materials : Alkali metals
Alkaline earth metals
Strong oxidizing agents

Hazardous decomposition
products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of
exposure : Inhalation
Skin contact
Eye Contact
Ingestion

		Page: 6
SAFETY DATA SHEET		Revision Date: 09/23/2015
		Print Date: 10/29/2015
		SDS Number: 000000256353
Performax™ DC5202 COOLING WATER TREATMENT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 858364		Version: 1.0

Acute toxicity
Skin corrosion/irritation
Product:
Result: Slightly irritating

Serious eye damage/eye irritation
Product:
Result: Slightly irritating

Remarks: Unlikely to cause eye irritation or injury.

Respiratory or skin sensitisation
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Aspiration toxicity
Further information
Product:
Remarks: No data available

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

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC 50 (Oncorhynchus mykiss (rainbow trout)): 3,660 mg/l
Exposure time: 96 h
Test Type: static test

LC 50 (Pimephales promelas (fathead minnow)): 3,415 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other : EC 50 (Water flea (Ceriodaphnia dubia)): 1,768 mg/l



SAFETY DATA SHEET

Revision Date: 09/23/2015

Print Date: 10/29/2015

SDS Number: 00000256353

Version: 1.0

Performax™ DC5202 COOLING WATER TREATMENT
™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries
858364

aquatic invertebrates

Exposure time: 48 h
Test Type: static test

LC 50 (Water flea (Daphnia pulex)): 1,691 mg/l
Exposure time: 48 h
Test Type: static test

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice : The product should not be allowed to enter drains, water courses or the soil.

Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION


International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

U.S. DOT - ROAD

Not dangerous goods

	Page: 8
	Revision Date: 09/23/2015
SAFETY DATA SHEET	Print Date: 10/29/2015
	SDS Number: 000000256353
Performax™ DC5202 COOLING WATER TREATMENT <small>™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries</small> 858364	Version: 1.0

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES


Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	no
------------------	----

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

		Page: 9
SAFETY DATA SHEET		Revision Date: 09/23/2015
		Print Date: 10/29/2015
		SDS Number: 000000256353
Performax™ DC5202 COOLING WATER TREATMENT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 858364		Version: 1.0

SARA 311/312 Hazards : No SARA Hazards

SARA 313 Component(s) : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 : Proposition 65 warnings are not required for this product based on the results of a risk assessment.

The components of this product are reported in the following inventories:

- TSCA : On TSCA Inventory
- DSL : All components of this product are on the Canadian DSL.
- AUSTR : On the inventory, or in compliance with the inventory
- NZIOC : On the inventory, or in compliance with the inventory
- ENCS : Not in compliance with the inventory
- KECL : On the inventory, or in compliance with the inventory
- PHIL : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECL (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SAFETY DATA SHEET

Revision Date: 09/23/2015

Print Date: 10/29/2015

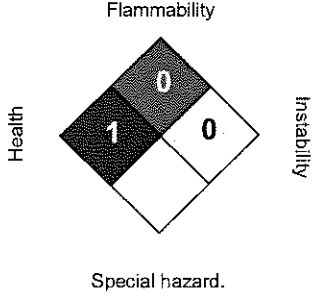
SDS Number: 000000256353

Version: 1.0

Performax™ DC5202 COOLING WATER
 TREATMENT
 ™ Trademark, Solenis or its subsidiaries or affiliates,
 registered in various countries
 858364

SECTION 16. OTHER INFORMATION
Further information

Revision Date: 09/23/2015

NFPA:	HMIS III:						
 <p> Flammability Health Instability Special hazard. </p>	<table border="1"> <tbody> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> </tbody> </table> <p> 0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic </p>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARD	0
HEALTH	1						
FLAMMABILITY	0						
PHYSICAL HAZARD	0						

Full text of H-Statements referred to under sections 2 and 3.

Further information

Sources of key data used to compile the Safety Data Sheet

Key literature references and sources of data

SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by the Solenis Environmental Health and Safety Department.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).


CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

	Page: 11
SAFETY DATA SHEET	Revision Date: 09/23/2015
	Print Date: 10/29/2015
	SDS Number: 000000256353
Performax™ DC5202 COOLING WATER TREATMENT ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 858364	Version: 1.0

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

- ICAO : International Civil Aviation Organization
- ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"
- IMDG : International Maritime Code for Dangerous Goods
- ISO : International Organization for Standardization
- logPow : octanol-water partition coefficient
- LCxx : Lethal Concentration, for xx percent of test population
- LDxx : Lethal Dose, for xx percent of test population.
- ICxx : Inhibitory Concentration for xx of a substance
- Ecxx : Effective Concentration of xx
- N.O.S.: Not Otherwise Specified
- OECD : Organization for Economic Co-operation and Development
- OEL : Occupational Exposure Limit
- P-Statement : Precautionary Statement
- PBT : Persistent ; Bioaccumulative and Toxic
- PPE : Personal Protective Equipment
- STEL : Short-term exposure limit
- STOT : Specific Target Organ Toxicity
- TLV : Threshold Limit Value
- TWA : Time-weighted average
- vPvB : Very Persistent and Very Bioaccumulative
- WEL : Workplace Exposure Level

- CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act
- DOT : Department of Transportation
- FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act
- HMIRC : Hazardous Materials Information Review Commission
- HMIS : Hazardous Materials Identification System
- NFPA : National Fire Protection Association
- NIOSH : National Institute for Occupational Safety and Health
- OSHA : Occupational Safety and Health Administration
- PMRA : Health Canada Pest Management Regulatory Agency
- RTK : Right to Know
- WHMIS : Workplace Hazardous Materials Information System