

# SAFETY DATA SHEET

### 1. Product and Company Identification

Product identifier Pool Perfect Total

Other means of identification

Not available
Pool Water Treatment

Recommended use

Manufacturer

None known

Recommended restrictions

Natural Chemistry L.P. 40 Richards Ave.

Norwalk, CT 06854 US Phone: (800) 753-1233

Emergency Phone: CHEMTREC (800) 424-9300

### 2. Hazards Identification

Physical hazards Not classified.

Health hazards Serious eye damage/eye irritation Category 2

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Causes serious eye irritation.

**Precautionary statement** 

**Prevention** Wash thoroughly after handling. Wear eye/face protection.

Response 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 advice/attention.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified (HNOC)

Mivturo

None known.

**Supplemental information** Not applicable.

## 3. Composition/Information on Ingredients

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Chemical name	Common name and synonyms	CAS number	%	
Aluminum chlorhydrate		12042-91-0	3-7	
Lanthanum Chloride (lacl3), Hydrate		20211-76-1	3-7	
Alcohols, C9-11, ethoxylated		68439-46-3	1-5	

**Composition comments**US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### 4. First Aid Measures

**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact 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 advice/attention.

Most important

Ingestion

Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

symptoms/effects, acute and

delayed

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Indication of immediate medical attention and special treatment needed General information Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Avoid contact with eyes and skin. Keep out of reach of children.

### 5. Fire Fighting Measures

Suitable extinguishing media

Unsuitable extinguishing

ng

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk.

No unusual fire or explosion hazards noted.

Specific methods

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Hazardous combustion products

May include and are not limited to: Hydrogen chloride. Oxides of carbon.

**Explosion data** 

Sensitivity to mechanical impact

Not available.

Sensitivity to static discharge

Not available.

### 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental precautions** 

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

#### invironmental precautions

## 7. Handling and Storage

Precautions for safe handling

Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

Value

### 8. Exposure Controls/Personal Protection

### Occupational exposure limits

### **US. ACGIH Threshold Limit Values**

Components	Туре	Value	Form
Aluminum chlorhydrate (CAS 12042-91-0)	TWA	1 mg/m3	Respirable fraction.

# US. NIOSH: Pocket Guide to Chemical Hazards Components Type

Aluminum chlorhydrate TWA 2 mg/m3 (CAS 12042-91-0)

# **Biological limit values**

No biological exposure limits noted for the ingredient(s).

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Exposure guidelines Chemicals listed in section 3 that are not listed here do not have established limit values for

ACGIH or OSHA PEL.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

**Hand protection** Rubber gloves. Confirm with a reputable supplier first.

**Other** Wear suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not applicable.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

### 9. Physical and Chemical Properties

AppearanceLiquidPhysical stateLiquidFormLiquidColorAmberOdorNot available.

Odor threshold Not available.

**pH** 2 - 5

Melting point/freezing point Initial boiling point and boiling

range

Not available.

Not available.

Pour point Not available.

Specific gravity 1 - 1.1

Partition coefficient (n-octanol/water)

Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.
Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Vapor densityNot available.Relative densityNot available.Solubility(ies)CompleteAuto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

**Density** 8.00 - 9.00

## 10. Stability and Reactivity

**Reactivity** May react with strong bases or oxidizing agents.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Chemical stability** Material is stable under normal conditions.

Conditions to avoid Contact with incompatible materials.

Strong oxidizing agents. Incompatible materials

Hazardous decomposition

products

May include and are not limited to: Oxides of carbon. Hydrogen chloride.

## 11. Toxicological Information

Routes of exposure Inhalation. Eye contact. Skin contact. Ingestion.

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard. Inhalation Prolonged inhalation may be harmful.

Skin contact May cause irritation.

Eye contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

**Acute toxicity** 

Components **Species Test Results** 

Alcohols, C9-11, ethoxylated (CAS 68439-46-3)

Acute Dermal

LD50 Rat > 5000 mg/kg

Inhalation

LC50 Rat > 20 mg/L, 1 hours

Oral

LD50 Rat 1200 mg/kg

Aluminum chlorhydrate (CAS 12042-91-0)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Inhalation

LC50 Not available

Oral

Rat LD50 9187 mg/kg

Lanthanum Chloride (lacl3), Hydrate (CAS 20211-76-1)

Acute

Dermal

LD50 Not available

Inhalation

Not available LC50

Oral

LD50 Rat 4184 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

**Exposure minutes** Not available. Erythema value Not available. Oedema value Not available.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening Not available.

value

Conjunctival oedema value Not available. Not available. Recover days

#26725 Page: 4 of 7 Issue date 03-November-2015 Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**ACGIH Carcinogens** 

Aluminum chlorhydrate (CAS 12042-91-0)

A4 Not classifiable as a human carcinogen.

This product is not expected to cause reproductive or developmental effects.

**Teratogenicity** Not available.

Specific target organ toxicity -

single exposure

Specific target organ toxicity -

repeated exposure

Reproductive toxicity

Not classified.

Aspiration hazard Not available.

**Chronic effects** Prolonged inhalation may be harmful.

Further information
Name of Toxicologically
Synergistic Products

Not available.

Not available.

### 12. Ecological Information

**Ecotoxicity** See below

Components Species Test Results

Alcohols, C9-11, ethoxylated (CAS 68439-46-3)

Fish Rainbow Trout 70.7 mg/L, 96 Hours

Aquatic

Crustacea EC50 Water flea (Daphnia magna) 2.9 - 8.5 mg/L, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 6 - 12 mg/L, 96 hours

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potentialNo data available.Mobility in soilNo data available.Mobility in generalNot available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal Considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

# 14. Transport Information

General Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the

Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of

the product will appear below.

**U.S. Department of Transportation (DOT)** 

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

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15. Regulatory Information

Regulations and the

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products

Regulations.

Canada WHMIS Ingredient Disclosure: Threshold limits

Aluminum chlorhydrate (CAS 12042-91-0) 1 %

WHMIS status Controlled

WHMIS classification Class D - Division 2B

WHMIS labeling



US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

Canadian federal regulations

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

No

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Safe Drinking Water Act

(SDWA)

Not regulated.

Food and Drug

Administration (FDA)

Not regulated.

US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Hazardous Substances (Director's): Listed substance

Aluminum chlorhydrate (CAS 12042-91-0) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

**US - Minnesota Haz Subs: Listed substance** 

Aluminum chlorhydrate (CAS 12042-91-0) Listed.

**US - Texas Effects Screening Levels: Listed substance** 

1,2-Ethanediamine, polymer with Listed.

(chloromethyl)oxirane and N-methylmethanamine

(CAS 42751-79-1)

Alcohols, C9-11, ethoxylated (CAS 68439-46-3) Listed. Aluminum chlorhydrate (CAS 12042-91-0) Listed.

**US. Massachusetts RTK - Substance List** 

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Aluminum chlorhydrate (CAS 12042-91-0) Listed.

**US. Rhode Island RTK** 

Not regulated.

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### **Inventory status**

On inventory (yes/no)\* Country(s) or region Inventory name

Domestic Substances List (DSL) Canada

Toxic Substances Control Act (TSCA) Inventory

Canada Non-Domestic Substances List (NDSL) No

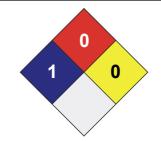
\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

LEGEND	
Severe Serious Moderate Slight Minimal	4 3 2 1

United States & Puerto Rico





Yes

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained

in this document.

Issue date 03-November-2015 **Effective date** 03-November-2015 03-November-2018 **Expiry date** 

**Further information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the

document.

Prepared by Dell Tech Laboratories Ltd. Phone: (519) 858-5021

Other information This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of

Chemicals (GHS).

This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.