

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name **ProCure Antiperspirant + Deodorant Pump Spray**
Product Code PCDS04
Company Name Twin Med LLC.
(Supplier of SDS)
Address 11333 Greenstone Ave. • Santa Fe Springs, CA 90670
Contact 1-877-TwinMed (894-6633)
Emergency 1-877-TwinMed (894-6633)
Relevant Use Helps control both sweat and body odor.

2. HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Corrosive to metals	Category 1

EMERGENCY OVERVIEW

Physical state liquid	Color colorless to yellow	Appearance clear	Odor no appreciable odor
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GHS Label elements, including precautionary statements



WARNING

Hazard statements

Causes skin irritation

Causes serious eye irritation

May be corrosive to metals

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Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original container.

Precautionary Statements - 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.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store in corrosive resistant container with a resistant inner liner.

Other information

- May be harmful in contact with skin

3. COMPOSITION / INFORMATION ON INGREDIENTS

ACTIVE INGREDIENT	Percentage	CAS Number
Aluminum Sesquichlorohydrate	15	173763-15-0

4. FIRST AID MEASURES

Inhalation	Remove to fresh air.
Skin Contact	Immediately wash thoroughly with soap and water, remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention if irritation should develop.
Eye Contact	Immediately flush with plenty of water for at least 20 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek immediate medical attention.
Ingestion	Seek medical attention immediately. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.
Note to physicians	Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents. Note: Consideration should be given to the possibility that overexposure to materials other than this product may have occurred

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5. FIRE FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media

Water Spray, Carbon Dioxide, Foam, Dry Chemical.

Extinguishing media which must not be used for safety reasons

No information available.

Special Hazards arising from product

Product is a water solution and nonflammable. In a fire, this product may build up pressure and rupture a sealed container; cool exposed containers with water spray. Use self-contained breathing apparatus in confined areas; avoid breathing mist or spray.

May produce hazardous fumes or hazardous decomposition products.

Product is a water solution and nonflammable. In a fire, this product may build up pressure and rupture a sealed container; cool exposed containers with water spray. Use self-contained breathing apparatus in confined areas; avoid breathing mist or spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedure

Wear suitable protective clothing and gloves.

Environmental Protection

Do not permit run-off to get into sewers or surface waterways.

Method and Material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. Clear spills immediately. Contain large spill and remove using a vacuum truck. Soak up small spills with inert absorbent material and place in a labeled waste container for disposal. Ventilate area of leak or spill. Spills of solution are extremely slippery so all residue must be removed promptly.

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7. HANDLING AND STORAGE

Precaution for safe handling

Keep container closed when not in use. Keep away from heat and open flame. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear chemical splash goggles, gloves, and protective clothing when handling.

Use with adequate ventilation and employ respiratory protection here mist or vapors may be generated.
FOR INDUSTRIAL USE ONLY.

Conditions for Safe storage, including any incompatibilities

Product may slowly corrode iron, brass, copper, aluminum, mild steel, and stainless steel. Store in a cool, dry place away from direct heat. Keep in tightly closed container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Component	weight-%	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum Sesquichlorohydrate	50%	1 mg/m ³ TWA (respirable particulate matter)	--	--

Appropriate engineering controls

Engineering controls

Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

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Individual protection measures, such as personal protective equipment

Eye/face Protection

Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material).

Hand Protection

Appropriate chemical resistant gloves should be worn

Skin and body protection

Standard work clothing and work shoes.

Respiratory protection

If exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.

Other personal protection data

Eyewash fountains and safety showers must be easily accessible.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Color	colorless to yellow
Appearance	clear
Odor	no appreciable odor
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH	3.5	as is
Melting / freezing point	-7 °C / 19 °F	No information
available Boiling point / boiling range		No information
available	No information available	Flash point Not applicable
Evaporation rate	No information available	No information available
Flammability (solid, gas)	Not applicable	No information available
Flammability Limit in Air		
Upper flammability limit	Not applicable	No information available
Lower flammability limit	Not applicable	No information available

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Vapor pressure	No information available	No information available
Vapor density	No information available	No information available
Specific gravity	1.33 - 1.35	No information available
Solubility (water)	Soluble	No information available
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	Not applicable	No information available
Decomposition temperature	No information available	No information available
Kinematic viscosity	No information available	No information available
Dynamic viscosity	< 100 cps @ 20 °C	No information available

Other information

Density	11.0 - 11.3 lb/gal
Bulk Density	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
Volatile Organic Compound (VOC) content, wt. %	No information available
Percent Volatile, wt. %	40 - 50%

10. STABILITY AND REACTIVITY

Reactivity

Reactivity

No data available.

Chemical stability

Chemical stability

Stable.

Possibility of hazardous reactions

Possibility of hazardous reactions

None under normal processing.

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**Hazardous polymerization**

No.

Conditions to avoid**Conditions to avoid**

None.

Incompatible materials**Materials to avoid**

Oxidizing agents.

Hazardous decomposition products**Hazardous decomposition products**

Thermal decomposition may release toxic and/or hazardous gases such as Cl₂ and HCl.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Eye contact**

May cause moderate eye irritation that can become severe with prolonged contact. Prolonged exposure to Aluminum salts may cause conjunctivitis.

Skin contact

May be harmful in contact with skin. Prolonged and/or repeated contact may cause skin irritation.

Ingestion

May cause irritation of the mouth, throat and stomach. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation

Inhalation of mist or vapor may cause respiratory tract irritation.

Acute toxicity - Product Information

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50 No information available

Acute toxicity - Component Information

Component	weight-%	Oral LD50	Dermal LD50	Inhalation LC50
Aluminum Sesquichlorohydrate	50%	= 9187 mg/kg (Rat)	> 2000 mg/kg (Rat)	--

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Information on toxicological effects

Symptoms

No information available.

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

Skin corrosion/irritation

Irritating to skin

Serious eye damage/eye irritation

Causes serious eye irritation

Sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.

Reproductive toxicity

No information available

Specific target organ toxicity - Single exposure

No information available.

Specific target organ toxicity - Repeated exposure

No information available

Aspiration hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 18374 mg/kg

ATEmix (dermal) 4004 mg/kg

Other information

Conclusions are drawn from sources other than direct testing.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute aquatic toxicity - Product Information

Fish LC50 (48 hour, 3-brood, static, renewal) 400 mg/L Pimephales promelas (Fathead Minnow) ¹
 IC25 (48 hour, 3-brood, static, renewal) 29.57 mg/L Pimephales promelas (Fathead Minnow) ¹
 IC50 (48 hour, 3-brood, static, renewal) 39.10 mg/L Pimephales promelas (Fathead Minnow) ¹

Crustacea LC50 (96 hour, static, renewal) > 400 mg/L Ceriodaphnia dubia (Water Flea) ¹ IC25 (96 hour, static, renewal) 8.61 mg/L Ceriodaphnia dubia (Water Flea) ¹ IC50 (96 hour, static, renewal) 17.22 mg/L Ceriodaphnia dubia (Water Flea) ¹

Algae/aquatic plants No information available

Acute aquatic toxicity - Component Information

Component	weight-%	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates
Aluminum Sesquichlorohydrate 12042-91-0	50%	--	LC50 (96 h static) 100 - 500 mg/L (Brachydanio rerio)	--

Chronic aquatic toxicity - Product Information

Fish NOECS (48 hour, 3-brood, static, renewal, survival) 200 mg/L Pimephales promelas (Fathead Minnow) ¹
 NOECR (48 hour, 3-brood, static, renewal, reproduction) 25 mg/L Pimephales promelas (Fathead Minnow) ¹

Crustacea NOECS (96 hour, static, renewal, survival) > 25 mg/L Ceriodaphnia dubia (Water Flea) ¹
 NOECG (96 hour, static, renewal, growth) > 25 mg/L Ceriodaphnia dubia (Water Flea) ¹

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Persistence and degradability

Persistence and degradability

No information available

Bioaccumulative potential

Bioaccumulative potential

No information available

Mobility

Mobility

No information available

Results of PBT and vPvB assessment

PBT and vPvB assessment

No information available

Other adverse effects

Other information

¹ Tests conducted by EnviroScience, Inc. using Standard Operating Procedures (SOP's) derived from EPA methods EPA-821-R-02-012 and EPA-821-R-02-013. Report dated 3-2-2018.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

DISPOSAL METHODS: Do NOT mix with other chemical wastes. Do not put solutions containing this product into sewer systems. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations. Do not re-use empty containers.

Contaminated packaging:

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

14. TRANSPORT INFORMATION

Non- Dangerous product

Land Transport (ADR/RID)

Non-regulatory

Inland waterway transport (AND)

Non-regulatory

Sea Transport (IMDG)

Non-regulatory

Air transport (ICAO – TI / IATA – DGR)

Non-regulatory

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15. REGULATORY INFORMATION

OSHA	Specifically regulated substances (29 CFR1910. 1001-1053)
CERCLA	Hazardous Substances List (40 CFR 302.4) : None
SARA	Hazardous Category: None

16. OTHER INFORMATION

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. **NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED.** It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.