

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

## Section 1: Identification

Product Name Undecylenic Acid USP

Commercial Name Not available.

Product Use Manufacture of substances

Restrictions On Use Not available

Product Code 30-1274

**Company** PCCA

9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760 In case of emergency contact:

CHEMTREC (24hr) 1-800-424-9300

## Section 2: Hazard(s) Identification

OSHA Haz Com: Skin irritation (Category 2) Eye irritation (Category 2A) Aquatic Acute (Category 1) Acute aquatic toxicity

CFR 1910.1200 (Category 3)
Signal Word WARNING

Hazard Statement(s) Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life

with long lasting effects.

#### Pictogram(s) or Symbol(s)



## Precautionary Statement(s):

Prevention P261 Avoid breathing dust/fume/gas/ mist/vapours/spray. P264 Wash skin thoroughly after

handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the

environment. P280 Wear protective gloves/eye protection/face protection.

Response P302, P352 IF ON SKIN: Wash with plenty of soap and water. P304 P340 IF INHALED: Remove

victim to fresh air and keep at rest in a position comfortable for breathing. P305, P351, P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see supplemental first aid instructions on this label). P332, P313 If skin irritation

advice/attention. P362 Take off contaminated clothing and wash before reuse.

Storage P403 P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

**Disposal** P501 Dispose of contents/container to an approved waste disposal plant.

## Section 3: Composition/Information on Ingredients

Substance/Mixture Substance

Components {10-}Undecylenic acid

 % By Weight
 100

 CAS#
 112-38-9

 Molecular Weight
 184.28 g/mole

 Chemical Formula
 C11H20O2

Synonym(s) 10-Undecenoic acid Declid, Desenex, Renselin, Sevinon, 10-Hendecenoic; 10-Henedecenoic acid,

Undecyl-10-enic acid

**Mixtures** 

 Name
 CAS#
 % by Weight
 TLV/PEL
 LC50/LD50

 {10-}Undecylenic acid
 112-38-9
 100
 Not available.
 ORAL (LD50): Acute: 2500 mg/kg [Rat].

 8150 mg/kg [Mouse].
 8150 mg/kg [Mouse].

DERMAL (LD50): Acute: 50 mg/kg [Guinea pig]. >2000 mg/kg [Rat].

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## Section 4: First-Aid Measures

Inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin Contact** Wash immediately, abundantly and thoroughly with soap and water.

**Eye Contact** Wash well-open eyes immediately, abundantly and thoroughly with water. Consult an ophthalmologist. **Ingestion** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Symptoms/Effects

Acute Not available Delayed Not available

**Immediate Medical Attention** 

Not available.

## Section 5: Fire-Fighting Measures

#### Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable Extinguishing Media

Not available.

## **Products of Combustion**

Hazardous decomposition products formed under fire conditions.-Carbon oxides

## Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for fire fighting if necessary.

#### Section 6: Accidental Release Measures

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequateventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environmentmust be avoided. Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Conditions for safe storage Keep container tightly closed in a dry and well-ventilated place.

#### Section 8: Exposure Controls/Personal Protection

Exposure Limits
Engineering Controls
Personal Protection

Contains no substances with occupational exposure limit values.

Not available

Respiratory protection For nuisance exposures use type P95(US)or type P1 (EU EN 143)particle respirator. For higher level protectionuse type OV/AG/P99(US) or type ABEK-P2(EU EN 143)respirator cartridges. Use respirators and componentstested and approved under appropriate government standards such as NIOSH(US)or CEN(EU). Hand protection Handle with acid resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface)to avoid skin contact with this product. Dispose of contaminated gloves after use inaccordance with applicable laws and good laboratory practices. Wash and dry hands. Eye protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US)or EN 166(EU). Skin and body protection Protective suit, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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Not available



# Safety Data Sheet

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## Section 9: Physical and Chemical Properties

Form: LIQUID/ SOLID Colour: CLEAR, COLORLESS TO PALE YELLOW **Appearance** 

Sweet Woody Odor **Odor Threshold** Not available

24.5°C (76.1°F) Not applicable **Melting Point** pН Freezing Point Not available **Vapor Pressure** Not applicable. 275C **Vapor Density** Not available. **Boiling Point/Range** Not available Not available. **Decomposition temperature Viscosity** log Pow: 3.86

**Partition Coefficient:** n-octanol/water

>200F Not available **Flash Point** Autoignition temperature

**Flammability** Not available Flammability or Explosive Limits:

> Not available Lower

Not available Upper

**Evaporation Rate** 

Solubility(ies) insolubility in water Other Not available.

## Section 10: Stability and Reactivity

Not available Reactivity

Stable under recommended storage conditions. **Chemical Stability** 

Not available **Hazardous Polymerization** 

Avoid storing in moist and warm conditions. **Conditions to Avoid** 

**Incompatible Materials** Anhydrous strong bases or concentrated solutions, Alkaline hydroxides, Strong

oxidizing agents

Hazardous decomposition products formed under fire conditions.-Carbon oxides **Hazardous Decomposition Products** 

## Section 11: Toxicological Information

YQ2975000 **RTECS** 

## **Acute Toxicity**

Oral LD50 - rat - 2,500 mg/kg Inhalation LC50 -no data available Dermal LD50 -guinea pig - 50 mg/kg

#### Skin Corrosion/Irritation

Skin-rabbit-Severe skin irritation-24 h

#### Serious Eye Damage/Irritation

Not available

## Respiratory or Skin Sensitization

Not available

## **Germ Cell Mutagenicity**

Not available

## Carcinogenicity

Not available

#### Reproductive Toxicity

Not available

## **Routes of Entry**

Not available

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## Symptoms Related to Exposure

Not available

#### **Potential Health Effects**

May be harmful if inhaled.Material is extremely destructive to the tissue of the mucousmembranes and uprespiratory tract. May be harmful if swallowed. May be harmful if absorbed through skin. Causes skin burns. Causes eye burns. Nausea, Headache, Vomiting Target Organ(s)

Inhalation-May cause respiratory irritation.

## Section 12: Ecological Information

#### **Ecotoxicity**

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 28 mg/l - 48 h and other aquatic invertebrates

## Persistance and Degradability

Biodegradability Result: 52%-Not readily biodegradable.

#### **Bioaccumulative Potential**

Partition coefficient:n-octanol/water:log Kow:=4,at 22°C(Method:OECD Test Guideline 117)

#### Mobility in Soil

3,78E-06 Pa.m3/mol Moderate adsorption,log Koc:2,84(Method:OECD Test Guideline 121)

#### **Other Adverse Effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects. Do not empty into drains.

## Section 13: Disposal Considerations

## **Waste Disposal**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional wastedisposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in achemical incinerator equipped with an after burnerand scrubber.

## **Disposal of Container**

Dispose of as unused product.

## **Other Considerations**

Not available

## Section 14: Transport Information

## **DOT Classification**

DOT (US) UN number: 3077 Class: 9 Packing group: III Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

## Section 15: Regulatory Information

## Regulations

OSHA Hazards Skin sensitiser, Corrosive SARA 302 Components SARA 302:No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: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. SARA 311/312 Hazards Acute Health Hazard Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components No components are subject to the Pennsylvania Right to Know Act. New Jersey Right To Know Components No components-are subject to the New Jersey Right to Know Act. California Prop.65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## Other

Not available

## Section 16: Other Information

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