**Huangshan Xinhui Industry&Trade Co.,Ltd.**

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**Undecylenic Acid**

**MATERIAL SAFETY DATA SHEET**

1. **PRODUCT&COMPANY IDENTIFICATION**

Trade name Osmanthus Absolute Oil

Use Used in perfumes, flavouring agents and plastics, and as a modifying agent in plasticizers and lubricant additives; weed killer and defoliant.

Manufacturer Huangshan Xinhui Industry&Trade Co.,Ltd.

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 Anhui Province, China

Telephone Number 0086-559-2568466/2564066

Emergency Telephone Number 0086-13805599138

1. **COMPOSITION/INFORMATION INGREDIENTS**

CAS number 68917-05-5

Synonyms Desenex, Renselin, Undec-10-enoic acid, Undecenoic acid

Formula C11H20O2

Molecular Weight 184.28

EINECS 203-965-8

RTECS YQ2975000

RTECS Class Agricultural Chemical and Pesticide; Primary Irritant

Merck 12,9983

Beilstein/Gmelin 1762631

EC Class Irritant, dangerous for the environment

1. **HAZARDS IDENTIFICATION**

Ingestion The toxicological properties of this substance have not been fully investigated.

Inhalation May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Skin Causes severe skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Substance is rapidly absorbed through the skin.

Eyes  Causes eye irritation.

Risk phrase R 36/38

S-phrase S 26/36

1. **FIRST AID MEASURES**

Inhalation Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Eye exposure Flush immediately with cold clean water for at least 15 minutes, contact physican Immediately.

Skin exposure Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion Get medical aid. Wash mouth out with water.

1. **FIRE-FIGHTING MEASURES**

Flash Point 146

Autoignition 275

Fire Fighting Wear approved SCBA in full pressure-demand and full protective gear. This material in sufficient quantity as dust is capable of creating a dust explosion. In case of fire, use water spray, dry chemical, carbon dioxide, or chemical foam.

1. **ACCIDENTAL RELEASE MEASURES**

Personal precaution Avoid inhalation and contact with skin and eyes.

Spillage Small spills: Vacuum or sweep up material and place into a suitable disposal container.

Environmental precaution Keep away from drains, surface and ground water and soil.

1. **HANDING AND STORAGE**

Handling Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.

Storage Store in a cool, dry place. Store in a tightly closed container.

Fire protection Keep away from ignition sources and naked flame.

1. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Respiratory protection Avoid excessive inhalation. Apply local ventilation where apporpriate.

Eye protection Use goggles.

Skin protection Avoid skin contact.Use chemical resistant gloves.

Poison Class 3

1. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance White crystal mass or colorless to yellowish liquid, depending on room temperature and purity.

Odor natural The characteristic odor is suggestive of perspiration and has been described as fruity-rosy.

Color White crystal mass or colorless to yellowish

Density (25℃) 0.9100 g/cm3

Solubility in water Insoluble

Solubility in ethanol Soluble

Saturation Concentration Very low at normal temperatures

Boiling point(25℃) 275 ℃

Melting point 24℃

Flash point 146℃

Refractive index(25℃) 1.4464-1.4472

1. **STABILITY AND REACTIVITY**

Decomposition Carbon monoxide, carbon dioxide.Don’t throw in sewer or natural environment. Use local regulation.

Incompatibilities Bases - oxidizing agents - reducing agents.

1. **TOXOLXGICAL INFORMATION**

 Based on the available toxicological data

1. **ECOLOGICAL INFORMATION**

 Prevent contamination of soil,ground and surface water

1. **DISPOSAL CONDITONS**

Disposal Code 4

 Dispose of according to local regulations.

 Avoid disposal into drainage systems and into environment.

1. **TRANSPORT INFORMATION**

HS Code 2916 19 10

UN Number Not Regulated

Packing Group Not Regulated

Packing Class Not Regulated

1. **OTHER INFORMATION**

 The information in this material safety data sheet is based on the properties of the material known to our company at the time the National Standard of PRC was issued .Relative standards are intended to provide information for a health and safety assessment of the material and circumstances under which it is packaged,stored or applied in the work place .For such a safety assessment our company hold no responsibility. This document is not intendede for quality assurance purposes.