



SAFETY DATA SHEET

1. Identification

Product Name: NobleThix™ Cetearyl Alcohol

Recommended use of chemical and restrictions on use: Cosmetic formulations

Chemical family: Cetostearyl alcohol, Alcohol 14-18, Blend of 1-Hexadecan-1-ol and 1-Octadecan-1-ol

Name and address of the supplier: Noble Roots, LLC
2408 Tech Center Parkway Suite 150
Lawrenceville, GA, US 30043

Supplier's telephone number: 678-897-4758

24 Hr. Emergency telephone number: (800) 424-9300 (CHEMTREC)

2. Hazard(s) Identification

Hazard pictograms Not applicable.

Signal Word Not applicable.

Hazard Statements Not applicable.

Precautionary Statement Not applicable.

Human Health Hazards, Effects, and Symptoms:

Ingestion May cause slight irritation to gastrointestinal tract

Inhalation No harmful effect expected at ambient temperature. Mist or vapors could cause irritation to the pulmonary tract

Skin Contact Non irritant

Eye Contact Non irritant

Other Hazard Not identified as PBT or vPvB substance

Results of PBT

3. Composition/Information on Ingredients

Chemical Name Blend of 1-octadecanol and 1-hexadecanol

Name	CAS No.	EINECS No	Composition
Hexadecan-1-ol	36653-82-4	253-149-0	45-55
Octadecanol-1-ol	112-92-5	204-017-6	45-55



4. First Aid Measures

Ingestion: Consult a doctor immediately. Drink plenty of water. However, if the person is unconscious, do not provide any type of ingestion

Inhalation: Remove to fresh air immediately. In case of breathing difficulty try artificial respiration. Get medical attention as soon as possible

Skin Contact: Wash material off the skin with plenty of soap and water. If redness or itching persists, seek medical attention

Eye Contact: Wash eyes with water for at least 15 minutes. If redness or itching persists, seek medical attention

5. Firefighting Measures

EXTINGUISHING MEDIA :

Suitable Carbon dioxide, dry chemical, water fog, or foam

Not Suitable Water

Special Fire Fighting Procedures Wear self-contained breathing apparatus and protective clothing to avoid direct contact with eyes and skin. In case of high temperature or fire, use a water jet to cool the tank containing the product

Unusual Fire or Explosion Hazards: None

Hazardous Thermal Decomposition: On decomposition, the product releases Carbon dioxide, Carbon monoxide, hydrocarbons, soot, aldehydes and Ketones

Protection for Fire-Fighters: Self-contained breathing apparatus, protective clothing and a face mask

6. Accidental Release Measures

Personal precautions: Wear chemicals safety goggles, respirators, rubber boots and protective clothing covering the entire body.

Environmental precautions: In case of spillage, cover the spilt amount with sand or soil to absorb the product. Then, collect the sand or soil with the product absorbed into a suitable container and dispose. Prevent entry of product into drains and ground water

Methods for cleaning up: Mop up and collect in dry container for disposal. Flush area with water. Use non sparking tools

7. Handling and Storage

Handling: Follow good hygiene and safety procedures. Avoid any direct contact with the product. Wash hands with soap and water after handling the product. Keep away from heat, strong acids and oxidizing agents

Storage: Store in sealed containers in a cool and dry place

Suitable Packing Materials: Stainless steel tanks or drums or LLDPE lined paper bags & poly bags.

Unsuitable Packing Materials: Unlined MS drums



8. Exposure Controls/Personal Protection

OSHA permissible exposure limit (PELs)	Not Listed
ACGIH threshold limit value (TLVs)	Not Listed
RESPIRATORY PROTECTION :	No protection required when adequate ventilation is available at room temperature. In presence of mist or vapor use self-contained NIOSH/MSHA approved respirator
HAND PROTECTION :	Rubber gloves
EYE PROTECTION :	Safety goggles and face mask. Keep eye wash fountain ready
SKIN AND BODY PROTECTION :	Take shower if the product comes in to contact with skin. Change uniform, apron and rubber boots if contaminated

9. Physical and Chemical Properties

Form:	Solid at 25°C
Color:	Colorless
Odor:	Characteristic fatty alcohol odor
Melting Range:	47°C-51°C
Boiling Range:	305-355°C
Solubility in Water:	Insoluble
Relative Density:	0.81 at 60°C
Solubility Oil and Solvents:	Not available
Vapor Density (Air=1):	Not available
Vapor Pressure, mm of Hg:	Not available
Flash Point:	Approx. 180°C
Auto-ignition Temp:	Not available
Lower Explosion Limit:	Not available
Upper Explosion Limit:	Not available
Average Molecular Weight:	246-267

10. Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Stable under normal operational conditions
Conditions to Avoid:	Sources of heat, ignition and flame



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Materials to Avoid:	Strong acids and oxidizing agents
Hazardous Polymerisation Products:	None
Hazardous Decomposition Products:	Partial combustion results in Carbon monoxide, Carbon dioxide, aldehydes. Ketones. Complete combustion results in the formation of Carbon dioxide and Water.

11. Toxicological Information

Acute Toxicity

Name	CAS No.	LD 50(Oral)	LD 50(Dermal)	LC 50(Oral) Rat
1-Hexadecanol	36653-82-4	> 2000 mg/ kg (rat) > 5000 mg/ kg (rat)	> 2000 mg / Kg (rabbit) (Read across 1-Tetradecanol: 112-72-1)	----
1-Octadecanol	112-92-5	> 5000 mg/ kg (rat) > 2000 mg/ kg (rat)	> 2000 mg/kg (Key information was read across from 1-tetradecanol.)	LC50 expected to be > 0.003 ppm (substantially saturated Atmospheric concentration) DATA WAIVED.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Toxicity for reproduction:

Name	CAS No.	Carcinogenicity	Mutagenicity	Toxicity for reproduction
1-Hexadecanol	36653-82-4	Not a carcinogen	Not a mutagen	No adverse reproductive effects.
1-Octadecanol	112-92-5	Not a carcinogen	Not a mutagen	No adverse reproductive effects.

SKIN CONTACT: Non irritant

EYE CONTACT : Non irritant

SENSITIZATION: Non irritant

12. Ecological Information

Comment

Do not dispose of the material in to the immediate environment. The product should not get into any kind of water without treatment. The product is easily biodegradable.

Biodegradation:			
Name	CAS No.	Method	Result
1-Hexadecanol	36653-82-4	301B	% degradation : 82.4% in 28 days at 15.3 mg/l 10 day window: 75.2%
1-Octadecanol	112-92-5	301D	:38% in 29 days at 5 mg/l : 69% in 29 days at 2 mg/l : < 60% in 10 days window
1-Octadecanol	112-92-5	301B	: 95.6% in 28 days at 14.5 mg/l : 90.2% in 10 day window



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Alcohols, C16-18	Mixture of 36653-82-4 +112-92-5 (67762-27-0)	Modified Sturm	% degradation: 21-65% in 28 days at 20 mg/l 10 day window: <60% (60% in 15 days)
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Bioaccumulation:
Bioconcentration factor (BCF) = 56 [Golden orfe fish (Leuciscus idus melanotus)],
BCF <2000 L/kg, hence Not Bioaccumulative.

Ecotoxicological effects:

Name	CAS No.	EC 50 (Algae mg/l2)	NOEL(Biomass)	NOEL(Growth)	EbL50 (96 hr)	LC 50 (96 Hr)
1-Hexadecanol	36653-82-4	Effects seen >LOS (Algae)	10(n,>LoS)	>680(n,LoS)	680(n,>LoS)	680(n,>LoS) >0.4 mg/L (n)>LoS)
1-Octadecanol	112-92-5	No effects expected at LoS (read across)	>10(n,>LoS)	----	250 (n, >LoS)	>0.4 (n)>LoS)

13. Disposal Considerations

Methods of Disposal Disposal methods to be in accordance with local, federal and state environmental regulations

14. Transportation Information

Land Road / Railway

RID / ADR Chemicals N. O. S. (non regulated)

Inland Waterways

ADNR Chemicals N. O. S. (non regulated)

Sea

IMDG Chemicals N. O. S. (non regulated)

Air

IATA-DGR Chemicals N. O. S. (non regulated)

National Transport Regulations Chemicals N. O. S. (non regulated)

15. Regulatory Information

EEC Regulations This product is not classified as dangerous according to EEC directive

OTHERS According to available data fatty alcohol is not a dangerous chemical. One should, however, observe the usual precautionary measures for dealing with chemicals according to local, state and federal regulations and requirements
R phrases = None, S phrases = None

16. Other Information

REACH registration (under multiple registrations) 1.Hexadecan-1-ol, 01-2119485905-24-0013
2 .Octadecan-1-ol, 01-2119485907-20-0012

The content and format of this safety data sheet are in accordance with EC Regulation No. 1907/2006 of the European Parliament and Council



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Respect safety measures usually applied during the production of perfumery products.
This data sheet completes the technical use notice, but doesn't replace it. These information are based on our actual knowledge for the above mentioned product at the edition date of this data sheet. They are given in good faith.
In any case user is not exempted to know and apply all texts which regulate this activity. He will take under his own responsibility the precautions for the utilization of product he knows. Users should be aware of the other purposes than Those for which it is concerned.