



ProKool Synthetic SDS - Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ECOSE® ProKool Synthetic
Other means of identification: Metalworking Fluid
SDS Number: 535199
CAS Number: Blend
CHEMTREC: 1-800-424-9300 (For emergencies)

Supplier:
Nu-Tier Brands, Inc.
8282 S. Memorial Dr., Suite 302
Tulsa, OK 74133
1-877-771-5823 (For Product Information)
www.nu-tierbrands.com

2. HAZARDS IDENTIFICATION

OSHA/HCS STATUS:

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CLASSIFICATION(S):

N/A

SIGNAL WORD:

Warning

SYMBOL(S):

N/A

HAZARD STATEMENT(S):

No known significant effects or critical hazards.

PRECAUTIONARY STATEMENT(S):

GENERAL PRECAUTIONARY STATEMENT(S):

Keep out of reach of children.
Read label before use.
If medical advice is needed, have product container or label at hand.
Wash with plenty of soap and water.

PREVENTION PRECAUTIONARY STATEMENT(S):

Not applicable

RESPONSE PRECAUTIONARY STATEMENT(S):

Not applicable

STORAGE PRECAUTIONARY STATEMENT(S):

Store in a dry place.
Store in a closed container.

DISPOSAL PRECAUTIONARY STATEMENT(S):

Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

SUPPLEMENTAL LABEL ELEMENTS:

Avoid contact with skin and clothing. Wash thoroughly after handling.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

Prolonged or repeated contact may dry skin and cause irritation.

Hazard Rating		
	HMIS	NFPA
Health:	2	2
Flammability:	0	0
Reactivity:	0	0
Personal Protection:	B	-

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Concentration
N, N-Bis (2-hydroxyethyl) amine	111-42-2	<9%
Diethylene glycol	111-46-6	<2%

4. FIRST AID MEASURES

EYE CONTACT FIRST AID: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advise/attention.

SKIN CONTACT FIRST AID: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

INHALATION FIRST AID: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms occur, obtain medical attention.

INGESTION FIRST AID: Wash mouth out with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIREFIGHTING MEASURES

NFPA 704 Hazard Class

Health: 2

Flammability: 0

Instability: 0



0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

FLAMMABLE PROPERTIES: COC Flash Point: N/A
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR: LEL: N/A
UEL: N/A

Extinguishing Media: Carbon dioxide, foam, dry chemical, or water spray, Class ABC/BC fire extinguisher.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Fire & Explosion Hazards: Risk of dust explosion.

Fire Fighting Instructions: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. As in any fire, wear self-contained breathing Apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Combustion Products: Heavy smoke. Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. For non-emergency: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

LARGE SPILLS PROCEDURE:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

MISCELLANEOUS:

Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

STORAGE PRECAUTIONS:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

None

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

ENVIRONMENTAL EXPOSURE CONTROLS:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

EYE / FACE PROTECTION REQUIREMENTS:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

SKIN PROTECTION REQUIREMENTS:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY PROTECTION REQUIREMENTS:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

GENERAL COMMENTS:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Data represents typical values and are not intended to be specifications.

Form:	Liquid
Odor:	Mild
Color:	Brown
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Solubility in Water:	Yes
Evaporation Rate:	Not Available
Specific Gravity:	1.01
Viscosity:	Not Available
Flash Point:	Not Available
pH:	9.3
Boiling Point:	100°C
Auto-Ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined

10. STABILITY AND REACTIVITY

REACTIVITY: No specific test data related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Keep away from heat, sparks and flame. Avoid all possible sources of ignition.

INCOMPATIBLE MATERIALS: Reactive or incompatible with the following materials: oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Not anticipated under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Not available

INHALATION:

Inhalation of aerosol or mist may cause irritation of the respiratory tract.

INGESTION:

Ingestion may cause stomach discomfort.

Chemical Name	Oral LD 50	Dermal LD 50	Inhalation LC 50
N, N-Bis (2-hydroxyethyl amine)	710 mg/kg, rat	--	--
Diethylenegcol	--	>10,000 mg/kg, rabbit	--

SENSITIZATION:	Not available
MUTAGENICITY:	Not available
CARCINOGENICITY:	Not available
REPRODUCTIVE TOXICITY:	Not available
TERATOGENICITY:	Not available
SPECIFIC TARGET ORGAN TOXICITY (single exposure):	Not available
SPECIFIC TARGET ORGAN TOXICITY (repeated exposure):	Not available
ASPIRATION HAZARD:	Not available

12. ECOLOGICAL INFORMATION

TOXICITY:

Not toxic to aquatic organisms.

PERSISTENCE AND DEGRADABILITY:

Biodegradable in terrestrial ecosystems and biological treatment systems.

BIO-ACCUMULATIVE POTENTIAL:

Not available.

SOIL/WATER PARTITION (KOC):

Not available.

OTHER ADVERSE EFFECTS:

May be harmful if a significant amount is released to surface water.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Recover and reclaim or recycle, if practical. Confirm disposal procedures with environmental engineer and local regulations.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL:	ECOSE® ProKool Synthetic
D.O.T SHIPPING:	Not Regulated by DOT.
IMDG:	This material is not classified as dangerous under IMDG regulations.
IATA:	This material is not classified as dangerous under IATA regulations.
TRANSPORT CANADA:	This material is not classified as dangerous under Transport Canada regulations.
SPECIAL PRECAUTIONS FOR USER:	Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CODE: Not applicable	

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard:

The classification of this material is based on OSHA HCS 2012 criteria.
 United States inventory (TSCA): All components are listed or exempted.
 Canada inventory: All components are listed or exempted.
 Europe inventory: All components are listed or exempted.
 Japan inventory (ENCS): All components are listed or exempted.
 Australia inventory (AICS): All components are listed or exempted.
 Korea inventory (KECI): All components are listed or exempted.
 China inventory (IECSC): All components are listed or exempted.
 Philippines inventory (PICCS): All components are listed or exempted.



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U.S. FEDERAL REGULATIONS:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 HAZARD CATEGORIES

ACUTE HEALTH HAZARD:	No
CHRONIC HEALTH HAZARD:	No
FIRE HAZARD:	No
SUDDEN RELEASE OF PRESSURE HAZARD:	No
REACTIVE HAZARD:	No

CLEAN WATER ACT

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. STATE REGULATIONS

U.S. STATE RIGHT-TO-KNOW REGULATIONS

This product does not contain any substances regulated by state right-to-know regulations

16. OTHER INFORMATION

The data in this Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Nu-Tier Brands, Inc. The data on this sheet are related only to the specific material designated herein. Nu-Tier Brands, Inc. assumes no legal responsibility for use or reliance upon these data.

END OF SDS