

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: NuKut SME Product #: MGD201 CAS Number: Blend

NuGeneration Technologies, LLC

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100 Professional Center Drive Suite 101, Rohnert Park, CA 94928 USA (707)820-4080 (product info)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC: For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name

Amount

CAS Number

This product (NuKut SME) contains no hazardous ingredients.

COMPOSITION COMMENT: Biodegradable, Non-mineral oil based.

HAZARDS DISCLOSURE: This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains no known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Non-hazardous.

HMIS/NFPA Rating:

Health - 0, Flammability - 1, Reactivity - 0 Personal Protection Index - A

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme).

POTENTIAL HEALTH EFFECTS

EYE: Accidental exposure to the eyes may produce a mild but transient irritation.

INGESTION: May cause gastrointestinal irritation.

SKIN: Very mild to no irritation expected.

INHALATION: No harmful effects expected with normal use.

SIGNS AND SYMPTOMS OF EXPOSURE: Not expected to be a skin or eye irritant.

CHRONIC EFFECTS: Prolonged/repeated contact may produce mild skin irritation.

CARCINOGENICITY INFORMATION: No known cancer hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID: Flush eyes with plenty of water for at least 15 minutes.

SKIN CONTACT FIRST AID: Wash skin with water and remove contaminated clothing wash before reuse.

INHALATION FIRST AID: No known inhalation issues in normal industrial use.

INGESTION FIRST AID: If swallowed, do NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid. Get medical attention if any symptoms persist.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Autoignition Temp: None

PMCC Flash Point: >300°F (148.9°C)

FLAMMABLE LIMITS IN AIR: LEL: None; UEL: None

Auto ignition Temperature: 475°F (246°C)

EXTINGUISHING MEDIA: Small fires: CO2 or dry chemical. Large fires: Foam, Water spray may be ineffective on fire.

FIRE & EXPLOSION HAZARDS: Incinerating may create Carbon monoxide with incomplete combustion. Wear self-contained breathing apparatus and full protective clothing. Cool containers with flooding quantities of water until well after fire is out.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing and equipment. An appropriate NIOSH/MSHA approved respirator should be used if a mist or vapor is generated.

Environmental Precautions: Dike flow of spilled material using soil or sandbags to minimize contamination of drains, surface and ground waters.

SPILLS PROCEDURE: Ventilate area and eliminate all ignition sources. Contain spill. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for disposal.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE Minimum: 4.4C (40F) Maximum: 48.9C (100F)

SHELF LIFE(in original sealed containers): 5 years @ 4.4 C 3 years @ 48.9 C

HANDLING (PERSONNEL): Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing.

Wash thoroughly after handling.

When transferring materials ground and bond containers, use spark proof tools and explosion proof equipment.

Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied.

Keep away from sources of ignition.

STORAGE PRECAUTIONS: Can be stored in most common storage vessels including carbon steel, aluminum, fiberglass, and stainless steel. Keep away from heat, sparks or open flames. Keep away from possible contact with incompatible substances. Store in a cool dry place in accordance with NFPA 30.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation: Local exhaust – preferred.

Mechanical (general) - may be necessary if working at elevated temperatures or in enclosed areas.

EYE PROTECTION REQUIREMENTS: Goggles or face shield with goggles, dependent upon potential exposure.

EYE / FACE / RESPIRATORY PROTECTION REQUIREMENTS: Not required in normal use.

SKIN PROTECTION REQUIREMENTS: Protective gloves: Nitrile. Dependent upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.

INHALATION GUIDELINES: None required for ambient temperature, although an appropriate NIOSH/MSHA approved air-purifying respirator should be used if a mist or vapor is generated. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

OTHER CONTROLS: Eye bath, safety shower, apron, protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid

ODOR: mild bean odor

SOLUBILITY IN WATER: Negligible

BULK DENSITY: 7.2

Auto ignition Temperature: 475°F (246°C)

PH: N/A

VOC = 64 g/L

DIELECTRIC STRENGTH: 42.2

ULTRA LOW EVAPORATIVE EMISSIONS: Less than 0.005 @ 76° Fahrenheit relative to n-butyl acetate (NBAC) = 1

COLOR: water white to pale yellow

BOILING POINT: >600 F

SPECIFIC GRAVITY: 0.86 (Water = 1)

MELTING/FREEZING POINT: <35 F

Flash Point & Method: >300°F (148.9°C) PMCC

VISCOSITY: 7 cp

VAPOR PRESSURE: @ 72 F (22 C) < 5 mm Hg

10. STABILITY AND REACTIVITY

STABILITY: Stable. POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Safe under normal usage conditions.

DECOMPOSITION: Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

NON-TOXIC:

Oral toxicity/Rats: LD50-17.4 g/kg body weight (Table Salt at 1.75 g/kg is ten (10) times more toxic)

EYE / SKIN EFFECTS: Contact may cause eye irritation.

ACUTE ORAL / INHALATION EFFECTS: No know hazards in normal industrial use.

12. ECOLOGICAL INFORMATION

READILY BIODEGRADABLE:

95% degraded in soil in 28 days

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Treat or dispose of waste material in accordance with all local, state, and national requirements.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

CONTAINER DISPOSAL: Clean out containers prior to disposal.

14. TRANSPORTATION INFORMATIONPRODUCT LABEL: **NuKut SME**

PACKAGE CLASS: 55

D.O.T. SHIPPING NAME: Non-regulated Material

D.O.T. HAZARD CLASS: Non-Hazardous

UN NUMBER: N/A

D.O.T. LABEL: NOBIN Non-Hazardous

PRODUCT RQ (LBS): NA

D.O.T. PLACARD: N/A

BULK CLASS: N/A

Not classified in ADR/RID, AND/ADNR, IMDG, IATA/ICAO-DGR

15. REGULATORY INFORMATION

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: ENCS (Japan), Korea, Australia, China (Draft), PICCS (Philippines), Japan (ENCS).

16. OTHER INFORMATION

PREPARED BY: Donato Polignone

PRD NUMBER: MGD201 (Official Copy)

APPROVAL DATE: June 4, 2007

SUPERCEDES DATE: May 5, 2004

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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