

MATERIAL SAFETY DATA SHEET

SECTION I. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: **Nairobi Comfort Zone Base- All Variants**

MSDS NUMBER: 9007

CORPORATE ADDRESS: Chapman Products Co.

22Howard Creek Dr.

Fountain Inn, SC 29644

PHONE #: 800-736-5072 Monday thru Friday (8:30 AM – 6:00 PM EST)

EMERGENCY #: 800-736-5072 (24 Hours)

POISON CONTROL #: 800-949-7866 (24 Hours)

CHEMTREC #: 800-424-9300 (24 Hours, Transportation Emergencies)

All written inquiries should be sent to:

Chapman Products co. Consumer Services, 22 Howard Creek Dr. Fountain Inn, SC 29644 or Fax to: 864-862-6285

SECTION II. HAZARDS IDENTIFICATION

Classification of the Not classified.

substance or mixture:

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

GHS label elements

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.3%

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Hazards not otherwise classified : None known.

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SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

White mineral oil (petroleum) ≥ 90 8042-47-5

2,6-di-tert-butyl-p-cresol ≥ 0.1 - < 0.25 128-37-0

Ingredient name % CAS number

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Other means of identification: Not available.

CAS number : Not applicable.

Substance/mixture CAS number/other identifiers:

Occupational exposure limits, if available, are listed in Section 8.

Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Wash out mouth 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.

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SECTION IV. FIRST AID MEASURES

Eye contact

Skin contact

Inhalation

Ingestion :

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Description of necessary first aid measures

Specific treatments : No specific treatment.

Most important symptoms/effects, acute and delayed

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Skin contact

Ingestion

Inhalation No specific data.

No specific data.

No specific data.

Eye contact : No specific data.

Potential acute health effects

See toxicological information (Section 11)

Indication of immediate medical attention and special treatment needed, if necessary

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SECTION V. FIRE-FIGHTING MEASURES

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.

Hazardous thermal decomposition products Specific hazards arising from the chemical

Decomposition products may include the following materials: carbon dioxide carbon monoxide

In a fire or if heated, a pressure increase will occur and the container may burst.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special protective equipment for fire-fighters

Use an extinguishing agent suitable for the surrounding fire.

Extinguishing media:

Do not use water jet.

Suitable extinguishing media:

Unsuitable extinguishing media:

Special protective actions for fire-fighters:

SECTION VI. ACCIDENTAL RELEASE MEASURES

Environmental precautions

Personal precautions, protective equipment and emergency procedures

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

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information and Section 13 for waste disposal.

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. 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 spill :

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.

Small spill :

Methods and materials for containment and cleaning up

For non-emergency personnel

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

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SECTION VII. HANDLING AND STORAGE

Advice on general occupational hygiene Conditions for safe storage, including any incompatibilities

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. See also Section 8 for additional information on hygiene measures.

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.

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Precautions for safe handling

White mineral oil (petroleum) **ACGIH TLV (United States, 4/2014).**

TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction

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NIOSH REL (United States, 10/2013).

TWA: 5 mg/m³ 10 hours. Form: Mist

STEL: 10 mg/m³ 15 minutes. Form: Mist

OSHA PEL (United States, 2/2013).

TWA: 5 mg/m³ 8 hours.

2,6-di-tert-butyl-p-cresol ACGIH TLV (United States, 4/2014).

TWA: 2 mg/m³ 8 hours. Form: Inhalable fraction and vapor

OSHA PEL 1989 (United States, 3/1989).

TWA: 10 mg/m³ 8 hours.

NIOSH REL (United States, 10/2013).

TWA: 10 mg/m³ 10 hours.

Ingredient name Exposure limits

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 sideshields.

Eye/face protection :

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.

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

Hygiene measures:

Control parameters

Individual protection measures

Occupational exposure limits

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SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand protection

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.

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.

Respiratory protection :

Body protection 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.

Skin protection

Other skin protection : 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.

Physical state

Melting point

Vapor pressure

Relative density

Vapor density

Solubility

Liquid. [Gel]

Not available.

0.845

Not available.

Not available.

Insoluble in the following materials: cold water and hot water.

Odor Odorless.

pH

Color Clear. Colorless.

Evaporation rate Not available.

Auto-ignition temperature

Flash point

Not available.

Open cup: >175°C (>347°F) [Cleveland.]

Not available.

Not available.

Viscosity Kinematic (40°C (104°F)): >0.25 cm²/s (>25 cSt)

Odor threshold Not available.

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Partition coefficient: noctanol/water

Appearance

Boiling point : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive

(flammable) limits

: Not available.

Decomposition temperature : Not available.

Section 10. Stability and reactivity

Conditions to avoid No specific data.

Chemical stability : The product is stable.

:

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

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

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SECTION X. STABILITY AND REACTIVITY

Hazardous decomposition

products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

No specific data.

Incompatible materials :

Section 11. Toxicological information

Acute toxicity

White mineral oil (petroleum) LC50 Inhalation Dusts and mists Rat >5 mg/l 4 hours

LD50 Dermal Rabbit >2000 mg/kg -

LD50 Oral Rat >5000 mg/kg -

2,6-di-tert-butyl-p-cresol LD50 Dermal Rat >2000 mg/kg -

LD50 Oral Rat 890 mg/kg -

Product/ingredient name Result Species Dose Exposure

Carcinogenicity

Not available.

Conclusion/Summary : The classification as a carcinogen need not apply as it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

Irritation/Corrosion

2,6-di-tert-butyl-p-cresol Eyes - Moderate irritant Rabbit - 24 hours 100 milligrams

-

Skin - Mild irritant Human - 48 hours 500 milligrams

-

Skin - Moderate irritant Rabbit - 48 hours 500 milligrams

-

Product/ingredient name Result Score Exposure Observation

Sensitization

Not available.

Species

Specific target organ toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Not available.

Not available.

Aspiration hazard

Information on toxicological effects

Classification

2,6-di-tert-butyl-p-cresol - 3 -

Product/ingredient name OSHA IARC NTP

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SECTION XI. TOXICOLOGICAL INFORMATION

Not available.

Information on the likely routes of exposure

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Skin contact

Ingestion

Inhalation No specific data.

No specific data.

No specific data.

Eye contact : No specific data.

Potential chronic health effects

Delayed and immediate effects and also chronic effects from short and long term exposure

Numerical measures of toxicity

Not available.

Acute toxicity estimates

Name Result

White mineral oil (petroleum) ASPIRATION HAZARD - Category 1

Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Potential immediate

effects: Not available.

Short term exposure

Potential delayed effects : Not available.

Potential immediate

effects: Not available.

Long term exposure

Potential delayed effects : Not available.

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SECTION XII. ECOLOGICAL INFORMATION

LogPow BCF Potential

Bioaccumulative potential

Other adverse effects : No known significant effects or critical hazards.

Product/ingredient name

White mineral oil (petroleum) >6 - high

2,6-di-tert-butyl-p-cresol 5.1 330 to 1800 high

Product/ingredient name Aquatic half-life Photolysis Biodegradability

White mineral oil (petroleum) - - Inherent

2,6-di-tert-butyl-p-cresol - - Not readily

Toxicity

White mineral oil (petroleum) Acute LC50 >100 mg/l Daphnia 48 hours

Acute LC50 >10000 mg/l Fish 96 hours

2,6-di-tert-butyl-p-cresol Acute EC50 1440 µg/l Fresh water Daphnia - Daphnia pulex - Neonate

48 hours

Acute NOEC 0.4 mg/l Algae - Scenedesmus subspicatus

72 hours

Chronic NOEC 0.07 mg/l Daphnia - Daphnia magna 21 days

Product/ingredient name Result Species Exposure

Persistence and degradability

Soil/water partition

coefficient (KOC)

: Not available.

Mobility in soil

SECTION XIII. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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Disposal methods :

RCRA classification : Not Regulated

Not regulated. Not regulated. Not regulated.

DOT Classification IMDG IATA

UN number

Special precautions for user Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

TDG Classification

Not regulated.

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SECTION XIV. TRANSPORT INFORMATION

Transport in bulk according

to Annex II of MARPOL

73/78 and the IBC Code

: Not available.

U.S. Federal regulations

None of the components are listed.

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Massachusetts

California Prop. 65

Clean Air Act Section 112

(b) Hazardous Air

Pollutants (HAPs)

: Not listed

Clean Air Act Section 602

Class I Substances

: Not listed

Clean Air Act Section 602

Class II Substances

: Not listed

DEA List I Chemicals

(Precursor Chemicals)

: Not listed

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DEA List II Chemicals

(Essential Chemicals)

: Not listed

New York : None of the components are listed.

New Jersey : The following components are listed: MINERAL OIL (UNTREATED and MILDLY TREATED)

Pennsylvania : None of the components are listed.

State regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Not determined.

SARA 302/304

SARA 304 RQ : Not applicable.

No products were found.

Composition/information on ingredients

SARA 311/312

Classification : Not applicable.

2,6-di-tert-butyl-p-cresol ≥ 0.1 - < 0.25 No. No. No. Yes. No.

Name % Fire

hazard

Sudden

release of

pressure

Reactive Immediate

(acute)

health

hazard

Delayed

(chronic)

health

hazard

Composition/information on ingredients

International lists

National inventory

Australia : Not determined.

Canada : Not determined.

China : Not determined.

Europe : Not determined.

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SECTION XV. REGULATORY INFORMATION

Japan : Not determined.

Republic of Korea : Not determined.

Malaysia : Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Taiwan : Not determined.

Section 16. Other information

History

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revision**

Version

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Notice to reader Indicates information that has changed from previously issued version.

Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

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Procedure used to derive the classification

Classification Justification

Not classified.

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For Additional Information contact SDS Coordinator during business hours, Eastern time: (864) 862-6282

Notice

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Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from Chapman Products Co. sales office.

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