# Safety Data Sheet
# CLEAN MAGIC - Type II

## Section 1 - Chemical Product and Company Identification

**Supplier's Information:**

**Alfakleen Chemical Labs**
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**Product Name:** Clean Magic - Type II

**Product Code:** AK - 070-II

**Date of Issue:** January 31,2017

**Conforms with:** A-A-59601, PD680 & MIL-PRF 680, Type II

## Section 2 - Hazard Identification

**Product as a Concentrate**

**GHS Overview:**

Flammable liquids, acute toxicity, skin irritation, eye irritation, skin sensitization, acute aquatic toxiticity

**GHS Label Elements:**

**Signal Word:** Danger

**Symbol:**



**Hazard Statements:**

H227 Combustible liquid
H304 May be harmful if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reacion
H319 Causes serious eye irritatuon
H400 Very toxic to aquatic life

**Precautionary Statements**

H273 Avoid release to the environment
P280 Wear protective gloves
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Potential Health Effects

| | |
|---|---|
| Inhalation: | May be harmful if inahled. Causes respirator tract irritation. |
| Skin: | May be harmful if absorbed through the skin. Causes irritation. |
| Eyes: | Causes eye irritation. |
| Ingestion: | May be harmful if swallowed. |

## Section 3 - Composition / Information on Ingredients

**Product as a Concentrate**

| Hazardous Ingredients | Concentration Range | CAS Number |
|---|---|---|
| C12-C14 Isoalkanes | 100 % | 68551-19-9 |

## Section 4 - First Aid Procedures

**Product as a Concentrate:**

**Skin Contact:** If skin comes in contact with product: Flush exposed area with cool water for 15 minutes. Consult a physician if irritation persists.

**Eye Contact:** If this product comes in contact with eyes, flush eyes with luke warm water for 30 minutes and consult a physician if irritation persists.

**Ingestion: DO NOT INDUCE VOMITING.** Have patient drink large amounts of milk or plain water. Consult a physician immediately.

**Inhalation:** Remove to clean atmosphere and consult physician immediately

**Protection of First Responders:**

No action shall be taken involving personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Note to Physician:**

Treat symptomatically. Contact poison treatment specialist if large quantities have been ingested or inhaled.

## Section 5 - Fire Fighting Information

**Product as a Concentrate:**

**Conditions of Flammability:** Flammable in the presence of source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface.

**Suitable Fire Extinguishing Media:** Use dry chemical or carbon dioxide.

**Hazardous Thermal Decompostion Products:** Hazardous decomposition products formed under fire conditions: Carbon oxides.

**Specific Fire - Fighting Methods:** Promptly isolate the scene by removing all persons from the area if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special Protective Equipment for Firefighters:** Wear self-containied beathing apparatus for fire-figthing if necessary.

**Further Information:** Use water spray to cool unopened containers

## Section 6 - Accidental Spill Procedures

**Product as a Concentrate:**
**Personal Precautions:** Initiate company's spill response procedures immediately. Keep people out of the area. Put on appropriate personal protective equipment (See Section 8). Do not touch or walk through spilled material.

**Environmental Precautions:** Avoid contact with spilled material and prevent runoff contact with soil and surface waterways.

**Methods for Cleaning Up:** Follow company's spill response procedures. Keep people away from spill area. Put on appropriate personal protective equipment (See Section 8). Absorb / Neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for a final clean-up.

## Section 7 - Handling and Storage

**Product as a Concentrate**
**Handling:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor or fumes. Use only in adequately ventilated areas. Wash thoroughly after handling.

**Storage:** Keep out of the reach of children. Keep container tightly closed. Store between the following temperatures: -25oC and 40oC.

## Section 8 - Exposure Controls / Personal Protection

**Control Parameters:**

| Ingredients Name | Exposure Limits |
|---|---|
| C12-C14 Isoalkanes | **ACGIH TLV:** Not Determined |
| | **NIOSH TWA:** 1200 mg/m3 |

**Appropriate Engineering Controls:** Use only in adequate ventilation. If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

## Section 8 - Exposure Controls / Personal Protection

**Exosure Guidelines**

**Eye Protection:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US or EN 166 (EU).

**Hand Protection:** Use chemical resistant, impervious gloves.

**Skin Protection:** Complete suit protecting against chemicals, flame retadant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and anmount of the dangerous substance.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government sndards such as NIOSH (US) or CEEN (EU)

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using lavatory and at the end of working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.Handle in accordance with good industrial hydiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9 - Physical and Chemical Properties

**Product as a Concentrate:**

**Physical State:** Liquid
**Color:** Clear to slight pale yellow
**Odor:** Mild , Hydrocarbon Odor
**pH:** Not Applicabe
**Flash Point:** 79.4°C (174.9°F) - closed cup
**Explosion Limits:** No Data Available
**Flammability:** Class 3A
**Melting Point:** **<** -94°C (-132°F)
**Boiling Point:** 217°F - 246°F
**Evaporation Rate:** Not Determined
**Vapor Pressure:** < o.70 mmHg at 20°C (68°F)
**Vapor Density:** 0.838 to 0.843 at 20°C (68°F)
**Specific Gravity:** 0.78 +/- 0.02
**Solubility:** Slightly
**Viscosity:** Same as water
**Autoignition Temp:** 440°F

## Section 10 - Stability and Reactivity

**Product as a Concentrate**

**Stability:** Stable under recommended storage condition

**Possibility of Hazardous Reactions:** To prevent oxidation prevent long term exposure to air. If storing in a partially filled containerm fill headspace with an inert gas such as nitrogen.

**Conditions to Avoid:** Heat, flame, sparks

**Materials to Avoid:** Extremely reactive or incompatible materials such as acids.

Reactive or incompatible with the following materials: Oxidizers.

Slightly reactive or incompatible with the following materials: Metals.

**Hazardous Decomposition Products:** Hazardous decomposition products formed under fire conditions. Carbon oxides.

## Section 10 - Toxicological Information (cont.)

**Routes of Exposure: Skin Contact, Eye Contact, Inhalation, Ingestion.**

**Product as a Concentrate**
**Symptoms**
**Skin Contact:** Adverse symptoms may include the following: Pain or irritation, redness, rash. Blistering may occur.
**Eye Contact:** Adverse symptoms may include the following: Pain or irritation, redness, watering.
**Inhalation:** Adverse symptoms may include the following: Coughing, respiratory tract irritation.
**Ingestion:** Adverse symptoms may include the following: Stomach pains, diarrhea.

**Acute Effects**
Citrus terpenes have been shown to have low oral toxicity (LD50 > 5 g/kg) and low dermal toxicity (LD50 > 5g/kg) when tested on rabbits. Citrus terpenes also showed low toxicity by inhalation (RD50 > 1g/kg) when tested on mice. The skin irritancy od limonene in guinea pigs and rabbis is considered moderate and low, respectively, Inhlation may cause irritation of the nose, throat, and respiratory tract.
**Chronic Effects**
This product is not classified as a carcinogen by OSHA, IARC, ACGIH, or NTP. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This produt does not contain known reproductive or developmental toxins. Prolonged or repeated exposues can cause drying or dermatitis of skin improper storage and handling may lead to the formation a possible skin sensitizer.

## Section 11 - Ecological Information

**Product as a Concentrate**
**Ecotoxicity:** There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown that certain bacteria and fungi have the ability to degrade terpenes, decreasing their toxicity to fish. When spilled, this product may act as an oil, causing a film sheen, smulsion or sludge at or beneath the surface of a body of water.
**Persistence/Degradability:** Product is expected to be readily biodegradable.
Bioaccumulation/Accumulation: No appropriate bioconcentration is expected int he environment.
Mobility in Environment: Citrus terpenes volatilize rapidly.

**Aquatic and Terrestrial Toxicity**

| Product / Ingredient Name | Results | Species | Exposure |
|---|---|---|---|
| C12-C14 Isoalkanes | Acute LC50 - 1000 mg/l | Rainbow Trout | 96 Hours |
| | Acute LC50 - 5000 mg/kg | Rat | 24 Hours |

**Other Adverse Effects:** No known significant effects or critical hazards.

## Section 13 - Disposal Methods & Considerations

**Product as a Concentrate**
**Disposal Methods:** Burn in chemical incinerator equipped with an afterburner and scrubber but exert extra care in ignitinig as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
**Contaminated Packaging:** Dispose of as unused product.
**RCRA Classification:** None

## Section 14 - Transportation Information

**DOT (U.S. Department of Transportation)**
**UN Number:** Non Regulated
**Proper shipping name:** Non Regulated Materials.
**Label/Placard:** None
**Marine pollutant:** No
**Poison Inhalation Hazard:** No
**ERG No.:** None

**IMO / IMDG**
**UN Number:** Non Regulated
**IMO / IMDG Proper Shipping Name:** Non Regulated Material
**Marine Pollutant:** None
**IATA**
**UN Number:** Non Regulated
**IMO / IMDG Proper Shipping Name:** Non Regulated Material

## Section 15 - Regulatory Information

**Product as a Concentrate**
**Global Inventories**
This product is not included in the following inventories:
USA (TSCA) 1,2,3
Canada (DSL) 1,2,3
Europe (EINECS/ELINCS/Polymer/NLP) 4
Australia (AICS) 1,2
Korea (KECL) 1,2,3
Phillipines (PICCS)
Japan (ENCS) 1

**Proposition 65: California Safe Drinking Water and Toxic Information Act of 1986**
This product is not known to contain an chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

**SARA Title III (Section 313)**
This substance contains no material  subjecct to the preoting requirements of SARA Title III (Section 313)

## Section 16 - Other Information

Hazardous Material Information System (U.S.A.)

NFPA RATING
**0 = Non-Hazardous**
**I = Slight Hazard**
**2 = Hazardous**
**3 = Extreme Hazard**
**4 = Deadly**




National Fire Protection Association (U.S.A.)

| | |
|---|---|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| REACTIVITY | 0 |
| PERSONAL | B |

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Prepared By: Stewart Holyk

**Note to Reader:**
This above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.