

Material Safety Data Sheet

MAGIC-BOSS Clean, Wax & Protect



1. Chemical product and company information

Product Identification : MAGIC-BOSS Clean, Wax & Protect
 Chemical Family : Mixture
 Supplier : Boss Technology Inc.
 5700 Barre
 St-Hyacinthe, Qc J2R 1E4
 Tél : 450-771-6728/800-771-6728
 Fax : 450-771-4428/855-771-4428
 info@bosstechnology.com
 Contact : François Hébert
 In case of emergency : CANUTEC (613) 996-6666

2. Composition / information on ingredients

Ingredient	CAS	Percentage	Exposure limits
Mineral spirits	64742-88-7	10-30	LD50 >6216 mg/kg, rat, oral LD50 >3108 mg/kg, rat, dermal LC50 >14.1 mg/l/4 hours, rat TWA 100 ppm (ACGIH)
Kaolin clay	66402-68-4	3-7	PEL TWA 10 mg/m3, OSHA TLV TWA 10 mg/m3, ACGIH
Oleic acid	112-80-1	1-5	LD50 25000 mg/kg, rat, oral

3. Hazards identification

Routes of entry : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact : Vapours are moderately irritating to the eyes.

Skin contact : Not a primary skin irritant after exposure of short duration.

Inhalation : Vapours are moderately irritating to respiratory passages. In rare case, may sensitize heart muscle causing heart arrhythmia.

Ingestion : Liquid when accidentally aspirated into lungs can cause a severe inflammation of the lungs.

Potential chronic health effects

Eye contact : None known.

Skin contact : Dermatitis may defat skin, allergic reactions.

Inhalation : Prolonged or repeated inhalation can cause coughing, shortness of breath, dizziness and intoxication, nausea and central nervous system depression.

Ingestion : None known.

4. First aid measures

Eyes : Rinse immediately with water or saline solution 15 to 20 minutes, lifting upper and lower eyelids. Remove contact lenses. Get medical attention without delay.

Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Wash thoroughly with soap and water. Remove contaminated clothing and wash with soap and water. If irritation persists, obtain medical attention.

Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration. In case of respiratory distress, obtain medical attention.

Ingestion : In case of ingestion, obtain medical attention immediately. Do not induce vomiting, guard against aspiration into the lungs. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation and obtain medical attention.

Note to physician	: Main hazard following accidental ingestion is aspiration of the liquid into the lungs, producing chemical pneumonitis. Cardiac arrhythmias have been reported with solvent exposure. If more than 2.0 ml/kg has been ingested, vomiting should be induced with supervision. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric wash with a cuffed endotracheal tube should be considered.
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5. Fire fighting measures

Flash point	: 42° C (Mineral spirits 64742-88-7)
Auto-ignition temperature	: 240° C (Mineral spirits 64742-88-7)
Flammability limits – air (%)	: LEL: 1.0 UEL: 5.0 (Mineral spirits 64742-88-7)
Extinguishing media	: Carbon dioxide (CO ₂), alcohol foam, dry chemical powder or water fog, according to the nature of the fire. Dry chemical powder or water can be used to cool containers. Do not use water except as a fog.
Protective equipment	: Fire fighters should wear full protective clothing, including self contained breathing equipment.
Hazardous combustion materials	: Carbon oxides, nitrogen oxides, silicon dioxide.

6. Accidental release measures

Avoid contact with spilled or released material. Remove contaminated clothing. Shut off leaks if safe to do so. Remove all possible sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or waterways using sands, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location. Take precautionary measures against static discharge. Ensure electrical continuity by grounding all equipment.

Small spill	: For less than one drum, transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.
Large spill	: For more than one drum, transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

7. Handling and storage

Handling	: Flammable. Do not cut, drill, grind, weld or perform similar operations on or near containers. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. Hot surfaces may be sufficient to ignite liquid in the absence of sparks of flames. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapours are gone. Do not pressurize drum containers to empty them. Avoid breathing vapours and prolonged or repeated contact with skin. Launder contaminated clothing prior to reuse. Use good personal hygiene. Air-dry contaminated clothing in a well ventilated area before laundering.
Storage	: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Use explosion proof ventilation to prevent vapour accumulation.

8. Exposure control / personal protection

Engineering controls	: Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof. For personal entry into confined spaces, a proper procedure must be followed including ventilation and testing of tank atmosphere.
<u>Personal protection equipment for routine handling</u>	
Eye	: Chemical safety goggles and/or full face shield to protect eyes and face, if product is handled such that it could be splashed into eyes.
Skin	: In confined spaces or where the risk of skin exposure is much higher, impervious clothing should be worn.
Gloves	: Impervious gloves, viton gloves, polyvinyl alcohol gloves.
Inhalation	: If exposure exceeds occupational exposure limits, use appropriate NIOSH-approved respirator. Use a NIOSH-approved chemical cartridge respirator with organic vapour cartridges or use a NIOSH-approved supplied-air respirator.
<u>Personal protection equipment for spills</u>	
Eye	: Chemical safety goggles and/or full face shield to protect eyes.
Skin	: In confined spaces or where the risk of skin exposure is much higher, impervious clothing should be worn.
Gloves	: Impervious gloves, viton gloves, polyvinyl alcohol gloves.
Inhalation	: Use a NIOSH-approved chemical cartridge respirator with organic vapour cartridges.
Note	: These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added protection.

9. Physical and chemical properties

Physical state	: Liquid
Colour	: White
Odour	: Sweet
pH « 1%	: 8.0
Relative density (g/cm ³)	: 0.980
Boiling point	: Not determined
Freezing point	: Not determined
Vapour pressure	: Not determined
Volatiles (weight)	: Not determined
Solubility (water)	: Not soluble
VOC (%)	: Not determined
Viscosity	: Not determined

10. Stability and reactivity

Chemical stability	: Stable
Hazardous polymerization	: None known
Conditions to avoid	: Heat sparks, open flames and other ignition sources
Materials to avoid	: Strong oxidants, strong acids and alkalis.
Dangerous decomposition products	: Carbon oxides, nitrogen oxides, silicon dioxide, formaldehyde.

11. Toxicological information

Ingredient	CAS	Percentage	Exposure limits
Mineral spirits	64742-88-7	10-30	LD50 >6216 mg/kg, rat, oral LD50 >3108 mg/kg, rat, dermal LC50 >14.1 mg/l/4 hours, rat TWA 100 ppm (ACGIH)
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Potential acute health effects

Eye contact	: Vapours are moderately irritating to the eyes.
Skin contact	: Not a primary skin irritant after exposure of short duration.
Inhalation	: Vapours are moderately irritating to respiratory passages. In rare case, may sensitize heart muscle causing heart arrhythmia.
Ingestion	: Liquid when accidentally aspirated into lungs can cause a severe inflammation of the lungs.

Potential chronic health effects

Carcinogenic effects	: None known.
Mutagenic effects	: None known.
Teratogenic effects	: None known.

12. Ecological information

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. Spill areas must be cleaned and restored to original condition or to the satisfaction of authorities. Some components may be harmful to aquatic life.

13. Disposal considerations

Waste disposal method	: Dispose according to municipal, provincial and federal regulations.
Contaminated packaging	: According to municipal, provincial and federal regulations.

14. Transport information

Regulatory Information	Shipping name	UN	Class	PG
TDG Classification	Flammable liquid n.o.s. (Mineral spirits)	1993	3	III

15. Regulatory information

WHIMS	: B3 Combustible liquid D2B Toxic material with other effects
DSL	: All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.
TSCA	: U.S. TSCA Inventory Status: All components of this product are weither on the Toxic Substances Control Act Inventory List or exempt.

16. Other information

HMIS rating (U.S.A.) : Health: 2
Fire hazard: 2
Physical hazard: 1
Personal protection: C

National Fire Protection Association (U.S.A.) : Health: 2
Flammability: 2
Reactivity: 1
Special: None

Prepared by: Danielle Gonthier, chemist

Date: 02/05/2015

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