



# MOP & SHINE

PRODUCT LABEL AND DATA SHEET

PRODUCT CODE: FCMS



Mop & Shine is a detergent that contains a special blend of waxes that cleans while it polishes vinyl floors & tile surfaces.



- Shines Floors While It Is Cleaning
- Easy Application
- Areas of use - Shopping Malls/Factories.

Colour: Pink  
Appearance: Liquid  
pH: 7.50-8.00

Density: 1.00 Kg/Lt  
Packaging: 1Lt, 5Lt; 25Lt  
Smell: Odorless



## METHOD OF APPLICATION

Apply Mop & Shine with a mop. Mop floor & allow to shine.

## DILUTION RATIO

Dirty Floors – 1:5 with water.  
Maintenance Cleaning – 1:20 with water.



## IF INGESTED, SEEK MEDICAL ATTENTION

Eyes: Rinse with water. Seek medical care.  
Ingestion: Drink water. Seek medical care.  
Skin: Wash contact area with soap and water.  
Inhalation: Remove patient to fresh air.

**IMPORTANT:** Always keep product out of children's reach. Ensure that the product lid remains closed and tightened at all times. Keep away from extreme heat and naked flame.

**WE DO NOT ACCEPT LIABILITY FOR CLAIMS OF ANY KIND FOR ANY LOSS INCLUDING, WITHOUT LIMITATION, CONSEQUENTIAL LOSS, INJURY OR DAMAGE ARISING FROM THE USE OF THE PRODUCTS WHICH ARE THE SUBJECT MATTER HEREOF.**

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# SAFETY DATA SHEET

## 1. Identification of the substance/preparation

Product name : **Mop & Shine**  
Product code : FCR05  
Use of the substance/preparation : Refer to technical data sheet for use thereof

## 2. Composition/information on ingredients

**Chemical characterization** : Aqueous mixture

Ingredient name	CAS number	%	EC number	Classification
nonylphenol	25154-52-3	<5	246-672-0	Xn; R22 C; R34 N; R50/53
Ethanol	64-17-5	<5	200-578-6	F; R11
Foam stabilizer		<5		Xi; R36/38

See section 16 for the full text of the R-phrases declared above

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

## 3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Xi; R36/38  
N; R51/53

**Physical/chemical hazards** : No known significant effects or critical hazards.

**Human health hazards** : Irritating to eyes and skin.

**Environmental hazards** : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**See section 11 for more detailed information on health effects and symptoms.**

## 4. First aid measures

- Inhalation** : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.
- Notes to physician** : No specific treatment, treat symptomatically.
- See section 11 for more detailed information on health effects and symptoms.**

## 5. Fire-fighting measures

### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.

- Special exposure hazards** : No specific hazard.

This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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

- Remark** : None identified.

## 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.

- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

### Packaging materials

- Recommended** : Use original container.

## 8. Exposure controls/personal protection

Ingredient name	Occupational exposure limits
Ethanol	<p><b>ACGIH (United States, 1996).</b> TWA: 1000 ppm</p> <p><b>ACGIH TLV (United States, 1/2004). Notes: 1996 Adoption Refers to Appendix A – Carcinogens.</b> TWA: 1880 mg/m<sup>3</sup> 8 hour/hours. Form: All forms TWA: 1000 ppm 8 hour/hours. Form: All forms</p>

- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.

- Hand protection** : 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.

- Eye protection** : 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 or dusts.

- Skin 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.

## 9. Physical and chemical properties

### General information

#### Appearance

- Physical state** : Liquid.

- Color** : Pink.

- Odor** : Odorless.

- Odor threshold** : The lowest known value is 180 ppm (Ethanol)

## Important health, safety and environmental information

<b>pH</b>	: 7 to 8 [Basic.]
<b>Boiling point</b>	: The lowest known value is 78.35°C (173°F) (Ethanol).
<b>Melting point</b>	: May start to solidify at 5°C (41°F) based on data for: Foam stabilizer
<b>Vapor pressure</b>	: The highest known value is 5.3 kPa (40 mm Hg) (at 20°C) (Ethanol).
<b>Relative density</b>	: 1 g/cm <sup>3</sup>
<b>Solubility</b>	: Easily soluble in cold water, hot water.
<b>Octanol/water partition coefficient</b>	: The product is more soluble in water.
<b>Vapor density</b>	: The highest known value is 7.59 (Air = 1) (nonylphenol).
<b>Evaporation rate (butyl acetate = 1)</b>	: The highest known value is 1.7 (Ethanol)

## 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Conditions to avoid</b>	: None identified.
<b>Materials to avoid</b>	: Slightly reactive to reactive with oxidizing agents.
<b>Hazardous decomposition products</b>	: No specific data.

## 11. Toxicological information

### Potential acute health effects

<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin contact</b>	: Irritating to skin.
<b>Eye contact</b>	: Irritating to eyes.

### Acute toxicity

Product/ingredient name	Test	Result	Route	Species
nonylphenol	LD50	580 mg/kg	Oral	Rat
	LD50	1231 mg/kg	Oral	Mouse
Ethanol	LD50	7060 mg/kg	Oral	Rat
	LD50	6300 mg/kg	Oral	Rabbit
	LD50	3450 mg/kg	Oral	Mouse
	LDLo	1400 mg/kg	Oral	human
	LDLo	5500 mg/kg	Oral	Dog
	LC50	20000 mg/m <sup>3</sup> (10 hour/hours)	Inhalation	Rat

### Potential chronic health effects

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: No known significant effects or critical hazards.

### Over-exposure signs/symptoms

<b>Inhalation</b>	: No specific data.
<b>Ingestion</b>	: No specific data.
<b>Skin</b>	: No specific data.
<b>Target organs</b>	: Contains material which causes damage to the following organs: blood, the nervous system, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea

## 12. Ecological information

### Ecotoxicity data

Ingredient name	Species	Period	Result
nonylphenol	Daphnia magna (EC50)	48 hour/hours	0.0848 mg/l
	Daphnia magna (EC50)	48 hour/hours	0.19 mg/l
	Pimephales promelas (LC50)	96 hour/hours	0.128 mg/l
	Pimephales promelas (LC50)	96 hour/hours	0.135 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	0.209 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	0.221 mg/l
Ethanol	Daphnia magna (EC50)	48 hour/hours	2 mg/l
	Daphnia magna (EC50)	48 hour/hours	9.3 mg/l
	Daphnia magna (EC50)	48 hour/hours	>100 mg/l
	Pimephales promelas (LC50)	96 hour/hours	>100 mg/l
	Daphnia magna (LC50)	96 hour/hours	>100 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	13000 mg/l

### Other ecological information

Persistence/degradability




Ingredient name	BOD <sub>5</sub>	COD	ThOD
Ethanol	>1 g O <sub>2</sub> /g	2 g O <sub>2</sub> /g	-
Ingredient name	Aquatic half-life	Photolysis	Biodegradability
nonylphenol	> 100 day/days	< 28 day/days.	Inherent
Ethanol	6 day/days	4 day/days.	Readily
Bioaccumulative potential			
Ingredient name	LogP <sub>ow</sub>	BCF	Potential
nonylphenol	-	10 to 7700	high

**Other adverse effects** : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### 13. Disposal considerations

**Methods of disposal** : Hazardous chemical waste.  
Waste must be disposed to a landfill permitted in terms of the Department of Water Affairs and Forestry's minimum requirements for waste disposal to landfill, and the minimum requirements for the handling, classification and disposal of hazardous waste.

### 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR / SANS 10228 Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		<b>Hazard identification number</b> 90 <b>Limited quantity</b> LQ28 <b>CEFIC Tremcard</b> 43GWT2-II+III
IMDG Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		<b>Emergency schedules (EmS)</b> F-A, S-F
IATA Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		<b>Quantity limitation - Passenger aircraft - Limited quantity</b> 30 kg

### 15. Regulatory information

#### SANS 10265 / EU Regulations

**Hazard symbol/symbols** :

Dangerous for the environment.

#### Risk phrases

: R36/38- Irritating to eyes and skin.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety phrases

: S2- Keep out of the reach of children.  
S29- Do not empty into drains.  
S46- If swallowed, seek medical advice immediately and show this container or label.  
S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### Product use

: Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. -  
Consumer applications.

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## 16. Other information

### Full text of R-phrases referred to in sections 2 and 3 - Europe

: R11- Highly flammable.  
R22- Harmful if swallowed.  
R34- Causes burns.  
R36/38- Irritating to eyes and skin.  
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Prepared by

: Not available.

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