

Product name : CK 4 Furniture Maintainer

Version 1.0

MSDS Number : SDSCK4001

Print date : 25 Aug 2015

**1. PRODUCT AND COMPANY IDENTIFICATION****Product information**

Trade name : CK 4 Furniture Maintainer
Use of the product : Furniture Maintainer
Company : Innochem Labs (India) Private Limited
Plot A 15, Road no. 9, IDA Nacharam,
Hyderabad, Telangana 500 076.
Emergency telephone : 91-40-65551717, 91-7032150008

2. HAZARDS IDENTIFICATION**Potential Health Effects**

Eyes : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin : Take off immediately all contaminated clothing. Wash with plenty of soap and water.
Inhalation : Avoid breathing spray. If exposed or concerned; Get medical advice / attention.
Ingestion : If swallowed, do not induce vomiting. Get medical advice/attention.
Safety : In case of contact with eyes, rinse cautiously with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (Show the label where possible). Contaminated work clothing must not be allowed out of the workplace.

Aggravated Medical Condition: Seek medical advice.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance/ Mixture : Mixture**

Product/ingredients name	CAS no.	%
Triethanolamine dodecylbenzene sulfonate	CAS: 27323-41-7	0.5 – <5
Octamethylcyclotetrasiloxane	CAS: 556-67-2	0.1-1
Polyoxyethylene tridecyl ether	CAS: 24938-91-8	< 5.0

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.

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**4. FIRST AIDS AND MEASURES****4.1 Description of first aid measures**

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do so, remove contact lens, if worn. Get medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin Contact	In case of contact, immediately flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	If swallowed, Do not induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Protection of first-aiders	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects	
Eye Contact	Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards.
Skin Contact	May cause an allergic skin reaction.
Ingestion	No known significant effects or critical hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically and supportively.
Specific treatments	No specific treatment.

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂) Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None Unknown

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**5.2 Special hazards arising from the substance or mixture**

Hazards from the substance or mixture	Exposure to combustion products may be a hazard to health.
Hazardous combustion products	Carbon dioxides Silicon oxides Formaldehyde Nitrogen oxides (NOx) Sulfur oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
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.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendation.
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6.2 Environmental precautions	Discharge into water environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Inform the relevant authorities if significant spillages cannot be contained.
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6.3 Methods and materials for containment and cleaning up

Small 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.
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Large spill	Provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate containers. Clean up remaining materials from spill with suitable absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
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6.4 Reference to other sections: See Section 1 for emergency contact information.
 See Section 8 for information on appropriate personal protective equipment.
 See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

The information this section contains generic advice and guidance. The list of identified Uses in Section 1 should be consulted for any available information provided in the Exposure scenarios(s).

7.1 Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid inhalation of vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Advice on general occupational hygiene	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.

7.2 Conditions for safe storage, including any incompatibilities

Storage	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
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	carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.
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7.3 Conditions for safe storage, including any incompatibilities

Recommendations	Do not store with the following product types: Strong oxidizing agents.
Industrial sector specific solutions	Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters**Occupational exposure limits**

Product/ingredient name	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration
Octamethylcyclotetrasiloxane	556-67-2	TWA	10 ppm
Decamethylcyclopentasiloxane	541-02-6	TWA	10 ppm

8.2 Manufacturer: Exposure controls

Engineering measures : Processing may form hazardous compounds (see section 10)
Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

Individual protection measures

Hygiene measures	Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. 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. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature may require added precautions.
Eye/face 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. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Safety goggles.

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Skin protection

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Change gloves often. Wash hands before breaks and at the end of the workday.
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 contact must be avoided by using impervious protective clothing (gloves, aprons, etc.)
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.
Respiratory protection	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air purifying respirators may not provide adequate protection.
Environment 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.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**Appearance

Physical state	: Liquid. [Viscous liquid.]
Color	: Milky white.
Odor	: Characteristic.
Odor threshold	: Not available.
pH	: Not available

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Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Burning Time	: Not available.
Burning rate	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Density	: 1 to 1.06 g/cm ³
Solubility(ies)	: Easily soluble in cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidizing properties	: Not available.
Corrosivity Remarks	: Not available.

9.2 Other information

No additional information.

10. STABILITY AND REACTIVITY

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable under normal conditions.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous decomposition products will be formed at elevated temperatures. Can react with strong oxidizing agents.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: Oxidizing agents.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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Instability Conditions : Not available.

Instability temperature : Not available.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Triethanolamine dodecylbenzene sulfonate	LD50 Oral	Rat	1.9 g/Kg	-
	LD50 Dermal	Rabbit	4.2 g/Kg	-
Octamethylcyclotetrasiloxane	LD50 Oral	Rat	4.8 g/Kg	4 h
	LD50 Dermal	Rabbit	2.5 ml/Kg	
	LC50 Inhalation	Rat	2975 ppm	
Polyoxyethylene tridecyl ether	LD50 Oral	Rat	>0.5 - <2 g/Kg	-
Decamethylcyclopentasiloxane	LD50 Oral	Rat	>24 g/Kg	4h
	LC50 Inhalation	Rat	8.67 mg/l	
Polyalkenes	LD50 Oral	Rat	>10 g/Kg	-
	LD50 Dermal	Rabbit	>2 g/Kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Triethanolamine dodecylbenzene sulfonate	Skin – Irritant	Rabbit	-	-	Reversing within 21 days
	Eyes - Irritant				
Polyoxyethylene tridecyl ether	Eyes - Severe irritant	Rabbit	-	-	Irreversible effects on the eye.

Sensitization

Skin sensitization: May cause an allergic skin reaction.

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Carcinogenicity

No known effect according to our database.

Mutagenicity

No known effect according to our database.

Reproductive toxicity

Some evidence of adverse effects on sexual function and fertility, based on animal experiments of its components.

Teratogenicity

No known effect according to our database.

Potential acute health effects

Eye Contact	May Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards.
Skin Contact	May cause an allergic skin reaction.
Ingestion	No known significant effects or critical hazards.

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

<u>Short term exposure</u>	
Potential immediate effects	Not available
Potential delayed effects	Not available
<u>Long term exposure</u>	
Potential immediate effects	Not available
Potential delayed effects	Not available
<u>Potential Chronic health effects</u>	
Not available.	

Conclusion/Summary	: Not available.
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	: Some evidence of adverse effects on sexual function and fertility.

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**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
Triethanolamine	Acute LC50 22 mg/l	Pimephales promelas	96 hours
dodecylbenzene sulfonate	EC50 2.5 mg/l	Daphnia magna	48 hours
Octamethylcyclotetrasiloxane	Acute LC50 > 0.022 mg/l	Fish - Oncorhynchus mykiss	96 hours
		Daphnia - Daphnia sp.	48 hours
	Acute EC50 > 0.015 mg/l	Algae	96 hours
		Algae	96 hours
	EC50 > 0.022 mg/l NOEC 0.022 mg/l	Fish - Oncorhynchus mykiss	-
	Chronic NOEC > 0.0044 mg/l	Daphnia - Daphnia magna	21 days
	Chronic NOEC > 0.0079 mg/l	Bacteria	ISO 8192
Polyoxyethylene tridecyl ether	LC50 > 1-10 mg/l	Fish – Leuciscus idus	96 hours
	EC50 > 1-10 mg/l	Daphnia & other aq. Invertebrates	48 hours
	EC50 > 1-10 mg/l	Algae	72 hours

12.2 Persistence and degradability

No known effect according to our database.

12.3 Bioaccumulative potential

Product/ingredient name	Log P _{ow}	BCF	Potential
Octamethylcyclotetrasiloxane	6.48	-	high
Decamethylcyclopentasiloxane	-	>500	

12.4 Mobility in soil

Soil/water partition : Not available.

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coefficient (KOC)

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : 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 nonrecyclable 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.

Hazardous waste : Yes.

Packaging

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

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15. REGULATORY INFORMATION

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Annex XVII - Restrictions
on the manufacture,
placing on the market
and use of certain
dangerous substances,
mixtures and articles : Not applicable.

Integrated pollution
prevention and control
list (IPPC) - Air : Not listed

Integrated pollution
prevention and control
list (IPPC) - Water : Not listed

CMR Substances

None of the components are listed.

16. OTHER INFORMATION

Indicates information that has changed from previously issued version.

Abbreviations and Acronyms: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC)
No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

TWA = Time weighted average

**Key literature references
and sources for data**

: Not available.

Europe

**Full text of abbreviated H
Statements**

: H301 Toxic if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.
 H413 May cause long lasting harmful effects to aquatic life.

Full text of classifications [CLP/GHS] : Acute Tox. 3, H301 ACUTE TOXICITY (oral) - Category 3
 Acute Tox. 3, H311 ACUTE TOXICITY (dermal) - Category 3
 Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
 Aquatic Acute 1, H400 AQUATIC HAZARD (ACUTE) - Category 1
 Aquatic Chronic 1, H410 AQUATIC HAZARD (LONG-TERM) - Category 1
 Aquatic Chronic 3, H412 AQUATIC HAZARD (LONG-TERM) - Category 3
 Aquatic Chronic 4, H413 AQUATIC HAZARD (LONG-TERM) - Category 4
 Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1
 Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
 Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
 Skin Corr. 1B, H314 SKIN CORROSION/IRRITATION - Category 1B
 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
 Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1

Full text of abbreviated R-phrases : R41- Risk of serious damage to eyes.
 R38- Irritating to skin.
 R36/38- Irritating to eyes and skin.
 R50- Very toxic to aquatic organisms.

Full text of classifications [DSD/DPD] : T - Toxic
 C - Corrosive
 Xn - Harmful
 Xi - Irritant
 N - Dangerous for the environment

Further information

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.