

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the GHS guidelines & India Hazardous substances (Classification, Labeling & Packaging) Draft Rules 2011.

SECTION 1: Identification

1.1. Product identifier

3M CARE CARE Tyre Dresser

Product Identification Numbers

IA-2601-0140-6 IA-2601-0152-1 IA-2601-6637-5 IA-2601-6638-3

1.2. Recommended use and restrictions on use

Recommended use

Automotive., Dresser for plastic/vinyl parts

1.3. Supplier's details

Address: 3M India Limited, plot-48-51, Electronic city, Hosur road, Bangalore-560100

Telephone: 080-45543000, contact Product EHS team

E Mail: productehs.in@mmm.com
Website: http://solutions.3mindia.co.in

1.4. Emergency telephone number

080-45543000 (Contact hours: 8:00 AM to 5:00 PM)

SECTION 2: Hazard identification

Under MSIHC Rules, information is noted below on flammability, acute toxicity and explosivity relevant to this product. In line with international standards, information on other hazard classes and associated precautionary statements relevant to this product are included as well.

2.1. Classification of the substance or mixture

Skin Sensitizer: Category 1A. Acute Aquatic Toxicity: Category 3. Chronic Aquatic Toxicity: Category 3.

2.2. Label elements

Signal Word

Warning

Symbols

Exclamation mark |

Pictograms



HAZARD STATEMENTS:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P280E Wear protective gloves.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS Nbr	% by Wt
Water	7732-18-5	60 - 90
POLY(dimethylsiloxane)	63148-62-9	10 - 30
Glycerol	56-81-5	1 - 10
Poly(oxy-1,2-ethanediyl), .alpha	26183-52-8	0.1 - 1.5
decylomegahydroxy-		
5-chloro-2-methyl-2H-isothiazol-3-one	26172-55-4	< 0.1

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye contact

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Allergic skin reaction (redness, swelling, blistering, and itching).

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

SubstanceConditionHydrocarbons.During combustion.FormaldehydeDuring combustion.Carbon monoxide.During combustion.Carbon dioxide.During combustion.Irritant vapours or gases.During combustion.

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety glasses with side shields.

Indirect vented goggles.

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Emulsion
Color	Milky White
Odor	Cherry
Odour threshold	No data available.
pH	6 - 8
Melting point/Freezing point: NA	Not applicable.
Boiling point/Initial boiling point/Boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability	Not applicable.
Flammable Limits(LEL)	No data available.
Flammable Limits(UEL)	No data available.

Vapour pressure	No data available.	
Vapor Density and/or Relative Vapor Density	No data available.	
Density	0.95 - 1 g/ml	
Relative density	0.95 - 1 [<i>Ref Std:</i> WATER=1]	
Water solubility	Complete	
Solubility- non-water	No data available.	
Partition coefficient: n-octanol/water	No data available.	
Autoignition temperature	No data available.	
Decomposition temperature	No data available.	
Kinematic Viscosity	No data available.	
Volatile organic compounds (VOC)	No data available.	
Percent volatile	80 - 90 %	
VOC less H2O & exempt solvents	No data available.	

Particle Characteristics	Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials

Strong oxidising agents. Strong oxidising agents.

10.6 Hazardous decomposition products

Substance
None known.

Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

No known health effects.

Skin contact

Contact with the skin during product use is not expected to result in significant irritation. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eve contact

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
POLY(dimethylsiloxane)	Dermal	Rabbit	LD50 > 19,400 mg/kg
POLY(dimethylsiloxane)	Ingestion	Rat	LD50 > 17,000 mg/kg
Glycerol	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
Glycerol	Ingestion	Rat	LD50 > 5,000 mg/kg
5-chloro-2-methyl-2H-isothiazol-3-one	Dermal	Rabbit	LD50 87 mg/kg
5-chloro-2-methyl-2H-isothiazol-3-one	Inhalation- Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
5-chloro-2-methyl-2H-isothiazol-3-one	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
POLY(dimethylsiloxane)	Rabbit	No significant irritation
Glycerol	Rabbit	No significant irritation
5-chloro-2-methyl-2H-isothiazol-3-one	Rabbit	Corrosive

Serious Eve Damage/Irritation

Name	Species	Value
POLY(dimethylsiloxane)	Rabbit	No significant irritation
Glycerol	Rabbit	No significant irritation
5-chloro-2-methyl-2H-isothiazol-3-one	Rabbit	Corrosive

Sensitization:

Skin Sensitisation

Name	Species	Value
Glycerol	Guinea pig	Not classified
5-chloro-2-methyl-2H-isothiazol-3-one	Human and animal	Sensitising

Photosensitisation

Name	Species Value

5-chloro-2-methyl-2H-isothiazol-3-one	Human	Not sensitizing
	and	
	animal	

Respiratory Sensitisation

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
5-chloro-2-methyl-2H-isothiazol-3-one	In vivo	Not mutagenic
5-chloro-2-methyl-2H-isothiazol-3-one	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Glycerol	Ingestion	Mouse	Some positive data exist, but the data are not
			sufficient for classification
5-chloro-2-methyl-2H-isothiazol-3-one	Dermal	Mouse	Not carcinogenic
5-chloro-2-methyl-2H-isothiazol-3-one	Ingestion	Rat	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Glycerol	Ingestion	Not classified for female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for development	Rat	NOAEL 2,000 mg/kg/day	2 generation
5-chloro-2-methyl-2H-isothiazol-3-one	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
5-chloro-2-methyl-2H-isothiazol-3-one	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
5-chloro-2-methyl-2H-isothiazol-3-one	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
5-chloro-2-methyl-2H-isothiazol-3-one	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Glycerol	Inhalation	respiratory system heart liver kidney and/or bladder	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerol	Ingestion	endocrine system hematopoietic system liver kidney and/or bladder	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years

Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:

GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:

GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
POLY(dimethylsilo xane)	63148-62-9	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Glycerol	56-81-5	Bacteria	Experimental	16 hours	NOEC	10,000 mg/l
Glycerol	56-81-5	Rainbow trout	Experimental	96 hours	LC50	54,000 mg/l
Glycerol	56-81-5	Water flea	Experimental	48 hours	LC50	1,955 mg/l
Poly(oxy-1,2- ethanediyl), .alpha. -decylomega hydroxy-	26183-52-8	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Diatom	Experimental	72 hours	EbC50	0.021 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Green algae	Experimental	96 hours	ErC50	0.018 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Mysid Shrimp	Experimental	96 hours	EC50	0.33 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Rainbow trout	Experimental	96 hours	LC50	0.19 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Sheepshead Minnow	Experimental	96 hours	LC50	0.36 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Water flea	Experimental	48 hours	EC50	0.18 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Diatom	Experimental	72 hours	NOEL	0.01 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Fathead minnow	Experimental	36 days	NOEC	0.02 mg/l
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Water flea	Experimental	21 days	NOEC	0.172 mg/l

5-chloro-2-methyl-	26172-55-4	Bird	Experimental	8 days	LC50	100 ppm diet
2H-isothiazol-3-						
one						

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
POLY(dimethylsilo xane)	63148-62-9	Data not available- insufficient	N/A	N/A	N/A	N/A
Glycerol	56-81-5	Experimental Biodegradation	14 days	BOD	63 %BOD/ThOD	OECD 301C - MITI test (I)
Poly(oxy-1,2- ethanediyl), .alpha. -decylomega hydroxy-	26183-52-8	Data not available- insufficient	N/A	N/A	N/A	N/A
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Experimental Aquatic Inherent Biodegrad.	2 days	BOD	97 %BOD/COD	OECD 302B Zahn- Wellens/EVPA
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Experimental Biodegradation	28 days	CO2 evolution	62 %CO2 evolution/THCO2 evolution	similar to OECD 301B
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Experimental Hydrolysis		Hydrolytic half-life basic pH	13 days (t 1/2)	OECD 111 Hydrolysis func of pH

12.3: Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
POLY(dimethylsilo xane)	63148-62-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glycerol	56-81-5	Experimental Bioconcentration		Log Kow	-1.76	
Poly(oxy-1,2- ethanediyl), .alpha. -decylomega hydroxy-	26183-52-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
5-chloro-2-methyl- 2H-isothiazol-3- one	26172-55-4	Experimental Bioconcentration		Log Kow	0.45	

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other Adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the

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available treatment and disposal facilities.

SECTION 14: Transport Information

Not hazardous for transportation.

Air Transport (IATA)Regulations

UN No Not applicable

Proper Shipping Name
Hazard Classs/Division
Not applicable
Not applicable

Subsidiary Risk Not applicable **Packing Group:** Not applicable

Marine Transport (IMDG)

UN No Not applicable

Proper Shipping Name Not applicable Hazard Classs/Division Not applicable Subsidiary Risk Not applicable Packing Group: Not applicable

Environmental Hazards: Not applicable

SECTION 15: Regulatory information

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

Global inventory status

Contact 3M for more information.

Applicable Environmental, Health and Safety Regulations

The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 Hazardous Waste(Management, Handling & Transboundary) Rules, 2008 Hazardous Chemicals (Classification, Packaging and Labelling Draft Rules), 2011

The following ingredients are listed as hazardous on Part II of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules

None.

The following ingredients are classified as hazardous based on the criteria listed under Part I of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules:

The Product is classified as Non - Hazardous.

SECTION 16: Other information

NFPA Hazard Classification

Health: 2 Flammability: 1 Instability: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision information:

Section 1: Product identification numbers information was modified.

Label: GHS Classification information was modified.

- Label: GHS Environmental Hazard Statements information was modified.
- Label: GHS Precautionary Disposal information was deleted.
- Label: GHS Precautionary General information was deleted.
- Label: GHS Precautionary Prevention information was modified.
- Label: GHS Precautionary Response information was modified.
- Label: Graphic information was modified.
- Label: Signal Word information was modified.
- Label: Symbol information was modified.
- Section 2: Ingredient table information was modified.
- Section 04: First Aid Symptoms and Effects (GHS) information was added.
- Section 4: First aid for eye contact information information was modified.
- Section 04: Information on toxicological effects information was deleted.
- Section 5: Fire Advice for fire fighters information information was modified.
- Section 6: Accidental release clean-up information information was modified.
- Section 6: Accidental release environmental information information was modified.
- Section 6: Accidental release personal information information was modified.
- Section 7: Conditions safe storage information was modified.
- Section 7: Precautions safe handling information information was modified.
- Section 8: Eve/face protection information information was modified.
- Section 8: Respiratory protection recommended respirators information information was modified.
- Section 9: Flammability (solid, gas) information information was deleted.
- Section 09: Flammability information information was added.
- Section 09: Kinematic Viscosity information information was added.
- Section 09: Particle Characteristics N/A information was added.
- Section 09: Percent Volatile information was added.
- Section 9: Property description for optional properties information was deleted.
- Section 09: Vapor Density Value information was added.
- Section 9: Vapour density value information was deleted.
- Section 9: Viscosity information information was deleted.
- Section 09: VOC Less H2O & Exempt Solvents information was added.
- Section 09: Volatile Organic Compounds information was added.
- Section 10: Materials to avoid physical property information was modified.
- Section 11: Acute Toxicity table information was modified.
- Section 11: Carcinogenicity Table information was modified.
- Section 11: Germ Cell Mutagenicity Table information was modified.
- Section 11: Health Effects Eye information information was modified.
- Section 11: Health Effects Inhalation information information was modified.
- Section 11: Health Effects Skin information information was modified.
- Photosensitisation Table information was modified.
- Section 11: Reproductive Toxicity Table information was modified.
- Section 11: Serious Eye Damage/Irritation Table information was modified.
- Section 11: Skin Corrosion/Irritation Table information was modified.
- Section 11: Skin Sensitization Table information was modified.
- Section 11: Target Organs Repeated Table information was modified.
- Section 11: Target Organs Single Table information was modified.
- Section 12: Acute aquatic hazard information information was modified.
- Section 12: Chronic aquatic hazard information information was modified.
- Section 12: Component ecotoxicity information information was modified.
- Section 12: Persistence and Degradability information information was modified.
- Section 12:Bioccumulative potential information information was modified.
- Section 13: Standard Phrase Category Waste GHS information was modified.

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themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into India, you are responsible to comply with all applicable regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration/notification.

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