



Safety Data Sheet

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The safety data sheet has been prepared in accordance with the Circular no. 32/2017/TT-BCT, specifying and providing guidelines for implementation of certain articles of the law on chemicals and the government's degree no. 113/2017/ND-CP dated October 09, 2017 specifying and providing guidelines for implementation of certain articles of the law on chemicals, by the Ministry of Industry and Trade.

SECTION 1: Identification

1.1. Product identifier

3M Auto Shampoo

1.1.1 CAS Number Not Applicable

1.1.2 UN Number None assigned

1.2. Recommended use and restrictions on use

Recommended use

Automotive, Car shampoo

1.3. Supplier's details

ADDRESS: 3M Vietnam Limited 20/F Mapletree Business Center 1060 Nguyen Van Linh Street, Tan Phong Ward, District 7, Ho Chi Minh City, Vietnam
Telephone: +84 28 5416 0429
E Mail: NULL

Website: https://www.3m.com.vn/3M/vi_VN/company-vn/

1.4. Emergency telephone number

+84 28 5416 0429

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Serious Eye Damage/Irritation: Category 1.

Carcinogenicity: Category 2.

Acute Aquatic Toxicity: Category 3.

Chronic Aquatic Toxicity: Category 3.

2.2. Label elements

Signal word

Danger

Symbols

Corrosion | Health Hazard |

Pictograms



Hazard Statements

H318

Causes serious eye damage.

H351

Suspected of causing cancer.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention:

P280A

Wear eye/face protection.

P280E

Wear protective gloves.

Response:

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER or doctor/physician.

Storage:

P405

Store locked up.

Disposal:

P501

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

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt
WATER	7732-18-5	75 - 90
SODIUM LAURYL ETHER SULFATE	9004-82-4	5 - 15
SODIUM CHLORIDE	7647-14-5	1 - 10
COCONUT ACID DIETHANOLAMIDE	68603-42-9	1 - 5
1,2-BENZISOTHIAZOLIN-3-ONE	2634-33-5	< 0.5

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:

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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

See Section 11.1. Information on toxicological effects.

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

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. Ventilate the area with fresh air. 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

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. 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

3M Auto Shampoo

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/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. Avoid release to the environment. Wash contaminated clothing before reuse. Keep away from reactive metals (eg. Aluminum, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard. Use personal protective equipment (gloves, respirators, etc.) as required.

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 SDS.

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/vapors/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:

Full Face Shield

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.

Gloves made from the following material(s) are recommended: Nitrile Rubber

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 vapors 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

Color

Pink

Odor	Characteristic Odor
Odor threshold	<i>No Data Available</i>
pH	6.5 - 8
Melting point/Freezing point	<i>Not Applicable</i>
Boiling point/Initial boiling point/Boiling range	<i>Not Applicable</i>
Flash Point	No flash point
Evaporation rate	<i>Not Applicable</i>
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>
Vapor Pressure	<i>Not Applicable</i>
Vapor Density	<i>Not Applicable</i>
Density	1 - 1.02 g/ml
Relative Density	1 - 1.02
Water solubility	Complete
Solubility- non-water	<i>No Data Available</i>
Partition coefficient: n-octanol/ water	<i>Not Applicable</i>
Autoignition temperature	<i>Not Applicable</i>
Decomposition temperature	<i>No Data Available</i>
Viscosity	<i>Not Applicable</i>

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 polymerization will not occur.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Reactive metals

10.6. Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

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 labeling, 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:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

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.

May cause additional health effects (see below).

Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion:

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

Additional Health Effects:

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

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
SODIUM LAURYL ETHER SULFATE	Ingestion	Rat	LD50 1,600 mg/kg
SODIUM CHLORIDE	Dermal	Rabbit	LD50 > 10,000 mg/kg
SODIUM CHLORIDE	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 10.5 mg/l
SODIUM CHLORIDE	Ingestion	Rat	LD50 3,550 mg/kg
COCONUT ACID DIETHANOLAMIDE	Dermal	Rabbit	LD50 > 2,000 mg/kg
COCONUT ACID DIETHANOLAMIDE	Ingestion	Rat	LD50 > 5,000 mg/kg
1,2-BENZISOTHIAZOLIN-3-ONE	Dermal	Rat	LD50 > 2,000 mg/kg
1,2-BENZISOTHIAZOLIN-3-ONE	Ingestion	Rat	LD50 454 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
SODIUM CHLORIDE	Rabbit	No significant irritation
COCONUT ACID DIETHANOLAMIDE	Rabbit	Mild irritant
1,2-BENZISOTHIAZOLIN-3-ONE	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
SODIUM CHLORIDE	Rabbit	Mild irritant
COCONUT ACID DIETHANOLAMIDE	Rabbit	Corrosive
1,2-BENZISOTHIAZOLIN-3-ONE	Rabbit	Corrosive

3M Auto Shampoo**Skin Sensitization**

Name	Species	Value
COCONUT ACID DIETHANOLAMIDE	Guinea pig	Not classified
1,2-BENZISOTHIAZOLIN-3-ONE	Guinea pig	Sensitizing

Respiratory Sensitization

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

Germ Cell Mutagenicity

Name	Route	Value
SODIUM CHLORIDE	In Vitro	Some positive data exist, but the data are not sufficient for classification
SODIUM CHLORIDE	In vivo	Some positive data exist, but the data are not sufficient for classification
COCONUT ACID DIETHANOLAMIDE	In Vitro	Not mutagenic
COCONUT ACID DIETHANOLAMIDE	In vivo	Some positive data exist, but the data are not sufficient for classification
1,2-BENZISOTHIAZOLIN-3-ONE	In vivo	Not mutagenic
1,2-BENZISOTHIAZOLIN-3-ONE	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
SODIUM CHLORIDE	Ingestion	Rat	Not carcinogenic
COCONUT ACID DIETHANOLAMIDE	Dermal	Multiple animal species	Carcinogenic

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
COCONUT ACID DIETHANOLAMIDE	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg	during organogenesis
COCONUT ACID DIETHANOLAMIDE	Dermal	Not classified for male reproduction	Mouse	NOAEL 800 mg/kg/day	14 weeks
COCONUT ACID DIETHANOLAMIDE	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	during organogenesis
1,2-BENZISOTHIAZOLIN-3-ONE	Ingestion	Not classified for female reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-BENZISOTHIAZOLIN-3-ONE	Ingestion	Not classified for male reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-BENZISOTHIAZOLIN-3-ONE	Ingestion	Not classified for development	Rat	NOAEL 112 mg/kg/day	2 generation

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
1,2-BENZISOTHIAZOLIN-3-ONE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

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Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
SODIUM CHLORIDE	Ingestion	blood kidney and/or bladder vascular system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 2,240 mg/kg/day	9 months
SODIUM CHLORIDE	Ingestion	nervous system eyes	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,700 mg/kg/day	90 days
SODIUM CHLORIDE	Ingestion	liver respiratory system	Not classified	Rat	NOAEL 33 mg/kg/day	90 days
COCONUT ACID DIETHANOLAMIDE	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 50 mg/kg/day	14 weeks
COCONUT ACID DIETHANOLAMIDE	Dermal	gastrointestinal tract	Not classified	Rat	NOAEL 100 mg/kg/day	104 weeks
COCONUT ACID DIETHANOLAMIDE	Dermal	liver respiratory system	Not classified	Mouse	NOAEL 800 mg/kg/day	14 weeks
1,2-BENZISOTHIAZOLIN-3-ONE	Ingestion	liver hematopoietic system eyes kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
1,2-BENZISOTHIAZOLIN-3-ONE	Ingestion	heart endocrine system nervous system	Not classified	Rat	NOAEL 150 mg/kg/day	28 days

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 labeling, 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 #	Organism	Type	Exposure	Test Endpoint	Test Result
SODIUM LAURYL ETHER SULFATE	9004-82-4	Water flea	Laboratory	48 hours	Effect Concentration 50%	3.12 mg/l
SODIUM LAURYL ETHER SULFATE	9004-82-4	Rainbow Trout	Experimental	28 days	No obs Effect Conc	0.12 mg/l
SODIUM	9004-82-4	Water flea	Experimental	21 days	No obs Effect	0.27 mg/l

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LAURYL ETHER SULFATE					Conc	
SODIUM CHLORIDE	7647-14-5	Algae other	Experimental	96 hours	Effect Concentration 50%	2,430 mg/l
SODIUM CHLORIDE	7647-14-5	Bluegill	Experimental	96 hours	Lethal Concentration 50%	5,840 mg/l
SODIUM CHLORIDE	7647-14-5	Water flea	Experimental	48 hours	Lethal Concentration 50%	874 mg/l
SODIUM CHLORIDE	7647-14-5	Fathead Minnow	Experimental	33 days	No obs Effect Conc	252 mg/l
SODIUM CHLORIDE	7647-14-5	Water flea	Experimental	21 days	No obs Effect Conc	314 mg/l
COCONUT ACID DIETHANOL AMIDE	68603-42-9	Green algae	Experimental	96 hours	Effect Concentration 50%	2.2 mg/l
COCONUT ACID DIETHANOL AMIDE	68603-42-9	Water flea	Experimental	48 hours	Effect Concentration 50%	2.15 mg/l
COCONUT ACID DIETHANOL AMIDE	68603-42-9	Zebra Fish	Experimental	96 hours	Lethal Concentration 50%	3.6 mg/l
COCONUT ACID DIETHANOL AMIDE	68603-42-9	Green algae	Experimental	72 hours	No obs Effect Conc	0.32 mg/l
COCONUT ACID DIETHANOL AMIDE	68603-42-9	Water flea	Experimental	21 days	No obs Effect Conc	0.07 mg/l
1,2- BENZISOTHI AZOLIN-3- ONE	2634-33-5	Green algae	Experimental	72 hours	Effect Concentration 50%	0.11 mg/l
1,2- BENZISOTHI AZOLIN-3- ONE	2634-33-5	Pacific oyster	Experimental	48 hours	Effect Concentration 50%	0.062 mg/l
1,2- BENZISOTHI AZOLIN-3- ONE	2634-33-5	Rainbow Trout	Experimental	96 hours	Lethal Concentration 50%	1.6 mg/l
1,2- BENZISOTHI AZOLIN-3- ONE	2634-33-5	Water flea	Experimental	48 hours	Effect Concentration 50%	2.9 mg/l
1,2- BENZISOTHI AZOLIN-3-	2634-33-5	Green algae	Experimental	72 hours	No obs Effect Conc	0.0403 mg/l

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12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
SODIUM LAURYL ETHER SULFATE	9004-82-4	Experimental Biodegradation	26 days	Carbon dioxide evolution	81 % weight	OECD 301B - Mod. Sturm or CO2
SODIUM CHLORIDE	7647-14-5	Data not availbl-insufficient			N/A	
COCONUT ACID DIETHANOL AMIDE	68603-42-9	Experimental Biodegradation	28 days	Biological Oxygen Demand	71 % weight	OECD 301D - Closed Bottle Test
1,2-BENZISOTHI AZOLIN-3-ONE	2634-33-5	Experimental Biodegradation	28 days	Biological Oxygen Demand	0 % BOD/ThBOD	OECD 301C - MITI (I)

12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
SODIUM LAURYL ETHER SULFATE	9004-82-4	Estimated Bioconcentration		Bioaccumulation Factor	5.9	Est: Bioconcentration factor
SODIUM CHLORIDE	7647-14-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
COCONUT ACID DIETHANOL AMIDE	68603-42-9	Estimated Bioconcentration		Bioaccumulation Factor	5.8	Est: Bioconcentration factor
1,2-BENZISOTHI AZOLIN-3-ONE	2634-33-5	Experimental BCF - Bluegill	56 days	Bioaccumulation Factor	6.62	

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. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable

3M Auto Shampoo

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 available treatment and disposal facilities.

SECTION 14: Transport Information

Marine Transport (IMDG)

UN Number:None assigned.
Proper Shipping Name:None assigned.
Technical Name:None assigned.
Hazard Class/Division:None assigned.
Subsidiary Risk:None assigned.
Packing Group:None assigned.
Limited Quantity:None assigned.
Marine Pollutant: None assigned.
Marine Pollutant Technical Name: None assigned.
Other Dangerous Goods Descriptions:
None assigned.

Air Transport (IATA)

UN Number:None assigned.
Proper Shipping Name:None assigned.
Technical Name:None assigned.
Hazard Class/Division:None assigned.
Subsidiary Risk:None assigned.
Packing Group:None assigned.
Limited Quantity:None assigned.
Marine Pollutant: None assigned.
Marine Pollutant Technical Name: None assigned.
Other Dangerous Goods Descriptions:
None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

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.

SECTION 16: Other information

Revision information:

No revision information

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

3M Vietnam SDSs are available at https://www.3m.com.vn/3M/vi_VN/company-vn/