

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Nanoclean Car Wash – Part #72250, 72204, 72220, 72245

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Nanoclean Car Wash

Date of Safety Data Sheet: March 8, 2017

Use of Preparation: Car Wash.

Company Identification: Lloyds Laboratories Inc.
613 Neal Drive,
Peterborough,
Ontario,
K9J 6X7

Company Telephone Number: 800 361-6766

24 Hour Telephone Number: CANUTEC 613-996-6666 or *666 for cell phone.

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA / WHMIS 2015 Hazards

Irritant.

Classification of substance or mixture

GHS-US/Canadian classification:

GHS Hazards

Acute Toxicity 4 (Oral) H302.

Eye Irritation 2 H319.

Skin Irritation 2 H315.

Label Elements

GHS Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Warning.

Hazard Statements (GHS):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements (GHS):

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

Response (GHS):

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend.

| Ingredient | CAS# | % by Wt | Classification |
|---|------------|---------|--|
| Sodium salt of dodecyl benzene sulphonic acid | 27176-87-0 | 15-35 | Skin Irritation Category 2A - H315 Eye Damage Category 1 - H318 |
| Sodium Laureth Sulphate | 68891-38-3 | 1-5 | Skin Irritation Category 2 A-H315 Eye Damage Category 1 - H318 |

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.

Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. Never give anything to an unconscious person. Get medical aid.

Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

As per surrounding fire.

Suitable extinguishing media:

Unsuitable extinguishing media: No information available.

Special exposure hazards: Fire or excessive heat may produce hazardous decomposition products.

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

Fire and explosion: Not flammable. Not an explosive hazard.

Further information: Keep containers and surrounding cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe mist.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately by sweeping up and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

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7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of mist.

Information about fire - and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Information about storage in one common storage facility:

Do not store together with acid products.

Store away from reducing agents.

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep container tightly sealed.

Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Use local exhaust or dilution ventilation.

Respiratory protection:

Hand protection:

Chemical resistant gloves.

Eye protection:

Safety goggles.

Skin protection:

Use body-covering clothing.

Working hygiene:

Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Guidelines:

Source Material

None.

TWA ppm

TWA mg/m³

STEL ppm

STEL mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State

Liquid.

Appearance

Clear.

Colour

Pink.

Property

Values

Odour

Cherry.

Odour Threshold

No data available.

Remarks/Method

pH 1 %

6.5-7.5.

None known.

Melting/Freezing Point

No data available.

None known.

Boiling Point/Range

No data available.

None known.

Flash Point

Not applicable.

None known.

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| | | |
|----------------------------|--------------------|-------------|
| Evaporation Rate | No data available. | None known. |
| Flammability (solid, gas) | Not flammable. | None known. |
| Flammability Limit in Air: | | |
| Upper Limit | No data available. | None known. |
| Lower Limit | No data available. | None known. |
| Vapour Pressure | No data available. | None known. |
| Vapour density | No data available. | None known. |
| Specific Gravity | 1.0-1.01 g/cm3. | |
| Water Solubility | Soluble in water. | None known. |
| Solubility Other Solvents | No data available. | None known. |
| Partition Coefficient: | | |
| n-octanol/water | No data available. | None known. |
| Autoignition temperature | No data available. | None known. |
| Decomposition Temperature | No data available. | None known. |
| Kinematic Viscosity | No data available. | None known. |
| Dynamic Viscosity | No data available. | None known. |
| Explosive Properties | No data available. | None known. |
| Oxidizing Properties | No data available. | None known. |

Other Properties:

| | |
|----------------------------|--------------------|
| Softening Point | No data available. |
| VOC Content % | No data available. |
| Particle Size | No data available. |
| Particle Size Distribution | No data available. |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity: | Stable at normal ambient temperature and pressure. |
| Chemical stability: | No decomposition if stored and applied as directed. |
| Thermal decomposition/conditions to avoid: | Stable under normal conditions. |
| Possibility of hazardous reactions: | Reacts with acids. Reacts with reducing and oxidizing agents. |
| Conditions to avoid: | Store away from reducing agents, water, acids, and acid salts of heavy metals, organic materials and flammable substances. |
| Hazardous decomposition products: | Acids, oxidizing and reducing agents. |
| Materials to avoid: | Oxides of carbon. |
| Hazardous polymerization: | Will not occur. |

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Routes of Entry Inhalation, ingestion, eye or skin.

Sodium salt of dodecyl benzene sulphonic acid CAS # 27176-87-0 :

LD50 (Oral) Rat: > 2,000 mg/kg.

LD50 (Dermal) Rabbit: > 2,000 mg/kg.

Carcinogenicity:

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| Chemical Name ACGIH | IARC | NTP | OSHA |
|---------------------|------|-----|------|
|---------------------|------|-----|------|

Not classified.

IARC: (International Agency for Research on Cancer)

No ingredients listed.

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect).

Sensitization: No evidence of a sensitization effect.

Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: No information available.

12. ECOLOGICAL INFORMATION

Toxicity: Not classified.

Persistence and Degradability: Not available.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

Other Adverse Effects:

Other Information: Avoid release to the environment.
All of the organic components of this product are readily biodegradable.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT): Not Regulated.

Canadian TDG (Road & Rail): Not Regulated.

Water Transportation (IMO): Not Regulated.

Air Transportation (IATA): Not Regulated.

15. REGULATION

Occupational Health & Safety Regulations:

WHMIS Classification: Class D - Division 2B.



OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

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International Inventories

| | |
|---------------|-----------|
| TSCA | - |
| DSL/NDSL | - |
| EINECS/ELINCS | Complies. |
| ENCS | Complies. |
| IECSC | Complies. |
| KECL | - |
| PICCS | - |
| AICS | Complies. |

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances.

ENCS - Japan Existing and New Chemical Substances.

IECSC - China Inventory of Existing Chemical Substances.

KECL - Korean Existing and Evaluated Chemical Substances.

PICCS - Philippines Inventory of Chemicals and Chemical Substances.

AICS - Australian Inventory of Chemical Substances.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

HMIS III Rating:

Health: 1 Slight Hazard - Irritation or minor reversible injury possible.

Flammability: 0 Minimal Hazard.

Physical: 0 Minimal Hazard.

Personal Protection: B

SDS US (GHS HazCom 2012) SDS Canada (GHS WHMIS 2015).

16. OTHER INFORMATION

Prepared By: Technical Department

Issuing Date: March 8, 2017

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

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Final determination of the 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.

End of Safety Data Sheet