

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

- 1.1 PRODUCT DESCRIPTION: **FORMULA 1 100 WASHES WASH & WAX (28 oz)**
- 1.2 PRODUCT CODE: **615458**
- 1.3 PRODUCER: **NORTHERN LABS, INC.
5800 WEST DRIVE
MANITOWOC, WI 54221-0850
PHONE: 920-684-7137**

2. HAZARDS IDENTIFICATION

- 2.1 *Classification of the Substance or Mixture:*
Classification 1999/45/EEC: Not Classified
OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200: Not Classified as Hazardous
- 2.2 *Label Elements [Risk & Safety Phrases]:* Not Classified.
- 2.3 *Other Hazards:* Keep out of reach of children. Keep from freezing. NOTE: Detailed surfactant information is located in Section 12 of this MSDS.

3. COMPOSITION AND INFORMATION ON HAZERDOUS MATERIAL

<i>Hazardous components within the meaning Of EEC directive 67/548 and corresponding classification</i>	EINECS # CAS # Annex I Ind. #	Concentration	Classifications EC1272/2008– 67/548/EEC	Risk Phrases Safety Phrases
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NOTE: NO INGREDIENT IS PRESENT IN THIS PRODUCT AT HAZARDOUS CONCENTRATIONS.

Materials in this product are not classified in Regulation (EC) No 1272/2008 of the European Parliament and of the council on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.

PRODUCT PRESERVATIVE INFORMATION:

- * 5-Chloro-2-methyl-4-isothiazolinone (preservative) CAS#: 26172-55-4 (EC#: 247-500-7) at <0.0005%
- * 2-Methyl-4-isothiazolinone (preservative) CAS#: 2682-20-4 (EC#: 220-239-6) at <0.0002%

4. FIRST AID MEASURES

- 4.1 *Inhalation:* Remove victim to fresh air.
- 4.2 *Ingestion:* Contact a physician and/or local poison control center. Surfactant Blend.
- 4.3 *Skin contact:* Wash with soap and water. Prolonged or repeated contact with skin may cause irritation.
- 4.4 *Eye contact:* Flush with water for 15 minutes. If irritation persists get medical attention. Direct contact of product with eyes will cause irritation.

4. FIRST AID MEASURES (CONTINUED)

Skin Contact: Prolonged or repeated contact of product with skin may cause irritation.

Acute and/or Chronic Effects: No known chronic effects. Surfactant Blend

Eye Contact: Direct contact of product with eyes may cause irritation.

Ingestion: May cause nausea, diarrhea, abdominal cramps.

5. FIRE FIGHTING MEASURES

NON-COMBUSTIBLE MATERIAL

5.1 **Extinguishing agents:** Foam, CO₂, Dry Chemical

5.2 **Advice:** Container may melt and leak in heat of fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Rinse affected area thoroughly with water – not hazardous.

7. HANDLING AND STORAGE

7.1 **Storage:** Keep from freezing. Keep out of reach of children.

8. EXPOSURES STANDARDS AND PERSONAL PROTECTION

8.1 **Respiratory protection:** None required with normal use.

8.2 **Hands protection:** None required with normal use.

8.3 **Eye protection:** Do not get product in eyes.

8.4 **Skin protection:** No special requirements under normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Foamy Liquid
Odor:	Characteristic
Color:	Bright Yellow
Specific Gravity (H ₂ O = 1):	1.03
Volume of Container:	28 oz.
pH:	~10.0
Solubility in water:	Complete
Foaming power:	-
Flash Point:	>200F

10. STABILITY AND REACTIVITY

10.1 Stable. When exposed to fire, produces normal products of combustion – water-based detergent.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet & product label.

11.1 **Toxicity for ingestion:** Contact a physician and/or local poison control center. Surfactant Blend.

11.2 **Toxicity of inhalation:** No special requirements under normal use conditions.

11.3 **Irritation effects from skin contact:** Prolonged or repeated contact of product with skin may cause irritation.

11.4 **Irritation effects from eye contact:** Do not get into eyes; product can cause irritation.

12. ECOLOGICAL INFORMATION

12.1 **European Parliament Regulation (EC) No. 648/2004** states that a surfactant is readily biodegradable if the level of biodegradability in one of several OECD (Organization for Economic Cooperation and Development) screening tests is 60% or more within 28 days. The following surfactants used in Formula 1 100 Washes are readily biodegradable according to the Regulation No. 648/2004 utilizing the OECD screening tests.

Biodegradation of Linear Alkylbenzene Sulfonates (EU: 246-680-4 / CAS: 25155-30-0 / 5-15% by weight)

Linear Alkylbenzene Sulfonates (LAS) have been used throughout the world as the main **anionic surfactant** in both household and industrial detergent products. As a result of their wide spread use, the biodegradation characteristics of LAS have been studied thoroughly under both laboratory and environmental conditions.

Primary biodegradation, which can reach 100% in three days, involves oxidation of the carbon atoms at the alkyl side chain to form transient, low toxicity sulfophenyl carboxylate intermediates. This is followed by complete breakdown characterized by the cleavage of the aromatic ring and total minimization to carbon dioxide, water and inorganic sulfonates.

Biodegradation of Betains (EU: 263-058-8 / CAS: 61789-40-0 / < 5% by weight)

Cocamidopropyl Betaine (CAPB) is a synthetic surfactant derived from coconut oil and dimethylaminopropylamine. Used as a secondary **anionic surfactant** in many surfactant systems, these compounds prove to be readily biodegradable.

In the Organization for Economic Cooperation and Development (OECD) test 301B Study (Modified Strum Test), Betain was readily biodegradable. The degradation to carbon dioxide, water, inorganic salts and biomass occurs quantitatively and no recalcitrant metabolites are formed.

12.2 Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Observe all applicable Federal/State regulations and Local ordinances regarding disposal of non-hazardous materials.

14. TRANSPORTATION INFORMATION

14.1 Land (DOT)/Sea (IMDG)/Air Transport (IATA):
Proper Shipping Name: Not Regulated
Class: None
UN/ID No.: None
Packaging Group: None

15. REGULATORY INFORMATION

Defined by:

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, packaging and labeling of dangerous substances and subsequent amendments (of Council Directive 67/548/EEC on classification, Risk Phrases and Safety Phrases in accordance with Annex I Index, REACH Annex 2 [Part 3.2] & Directive 1999/45/CE [Classification, packaging and labeling of dangerous preparation] and subsequent amendments).

15.1 **Proposition 65:** this product does not contain any Prop 65 chemicals.

15.2 **TSCA Inventory:** all components of this product are listed on the TSCA inventory.

16. OTHER INFORMATION

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Supersedes Date: 10/20/15

Hazards and Phrases in Full [NOTE: THIS INFORMATION IS FOR INGREDIENTS LISTED IN SECTION 3]:

HAZARD STATEMENTS / RISK & SAFETY PHRASES IN FULL: Not Applicable.

For information on appropriate emergency procedures phone: (920) 684-7137

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