

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE

- 1.1 PRODUCT DESCRIPTION: **FORMULA 1 DRY CLEAN/CARPET & UPHOLSTERY CLEANER 20 OZ**
- 1.2 PRODUCER: **NORTHERN LABS, INC.  
5800 WEST DRIVE  
MANITOWOC, WI 54221-0850  
PHONE: 920-684-7137**
- 1.3 PRODUCT CODE: 613744, 613744-4, 615150

## 2. HAZARD IDENTIFICATIONS

- 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:** Contains < 5% anionic surfactant (CAS 151-21-3). Product contains the following fragrance allergens: D-Limonene (CAS 5989-27-5) at 0.04%, Citral (CAS 5392-40-5) at 0.01%. Keep out of the reach of children.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<i>Hazardous components within the meaning Of EEC directive 67/548 and corresponding classification</i>	EINECS # CAS #	Concentration	Classifications EC1272/2008– 67/548/EEC		Risk Phrases Safety Phrases
BUTOXYPROPANOL	225-878-4 5131-66-8	0.45%	Eye Irrit. 2 H319 Skin Irrit. 2 H315	Xi: R36/38	R36/38 S2
PROPYLENE GLYCOL MONOMETHYL ETHER	203-539-1 107-98-2	0.35%	Flam. Liq. 3 H226	R10	R10 S2-24
NON HAZARDOUS COMPOSITION		99.2%			

### PRODUCT PRESERVATIVE INFORMATION:

- \* Methylchloroisothiazolinone (preservative) CAS#: 26172-55-4 (EC#: 247-500-7) at <0.0005%
- \* Methylisothiazolinone (preservative) CAS#: 2682-20-4 (EC#: 220-239-6) at <0.0002%

**NOTE: NO INGREDIENT IS PRESENT IN THIS PRODUCT AT HAZARDOUS CONCENTRATIONS.**

## 4. FIRST AID MEASURES

- 4.1 **Ingestion:** Treat as dilute detergent solution – call physician.
- 4.2 **Skin contact:** Wash off with water.
- 4.3 **Eye contact:** Flush eyes with water for at least 10 minutes. If irritation persists get medical attention.

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

**Eye Contact:** Direct contact with eyes can cause irritation.

**Ingestion:** Treat as dilute detergent solution – call physician.

## 5. FIRE FIGHTING MEASURES

- 5.1 **Extinguishing agents:** Foam, CO<sub>2</sub>, Dry Chemical
- 5.2 **Advice:** Container may melt and leak in heat of fire.

## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Dilute with water and take up with wet vacuum or rinse into drain to sewer (follow local regulations).

## 7. HANDLING AND STORAGE

- 7.1 **Storage:** Keep out of the reach of children. Wash hands thoroughly after handling. Keep from freezing.

## 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:	Clear, Colorless Liquid
Odor:	lemon-lime odor
Specific Gravity (H <sub>2</sub> O = 1):	1.0
Volume of Container:	20 oz.
pH:	10.2 – 10.4
Solubility in water:	Complete
Percent Volatiles:	NA
Solubility in oil:	-
Flash Point:	>200F

## 10. STABILITY AND REACTIVITY

- 10.1 *Chemical Stability:* Stable.
- 10.2 *Hazardous Polymerization:* Will not occur.
- 10.3 *Hazardous Decomposition Products:* None known.

## 11. TOXICOLOGICAL INFORMATION

- 11.1 *Toxicity for ingestion:* Treat as dilute detergent solution – call physician if unwell.
- 11.2 *Toxicity of inhalation:* Not expected to be a problem under normal use conditions.
- 11.3 *Irritation effects from skin contact:* May be irritating to skin. If irritation occurs, get medical attention.
- 11.4 *Irritation effects from eye contact:* Flush eyes with water for at least 10 minutes. If irritation persists, seek medical aid.

## 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 Dry Clean are readily biodegradable according to the Regulation No. 648/2004 utilizing the OECD screening tests.**

### **Biodegradation of Linear Alkyl Sulfates (EU: 205-788-1 / CAS: 151-21-3 / < 5% by weight)**

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

Primary biodegradation can exceed 90% in two days. Ultimate or complete mineralization (> 60% in 28 days, meeting 10 day window) has been observed under several OECD test methods (301B-E).

Based on the results of these tests, Alkyl Sulfates are considered readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

- 13.1 No special method. This is a dilute detergent solution. Observe all applicable Local, State, National and Federal regulations for disposal of non-hazardous waste.

## 14. TRANSPORTATION INFORMATION

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 of Annex I Index, REACH Annex 2 [Part 3.2] & Directive 1999/45/CE [Classification, packaging and labeling of dangerous preparation] and subsequent amendments).

Inventories: All components of this product are listed on the TSCA (USA), DSL (Canada) and EINCS (Europe) inventories.

PROP 65: This product contains no chemicals subject to the reporting requirements of the Safe Drinking Water and Toxic Enforcement Act of 1986.

## 16. OTHER INFORMATION

**HMIS RATINGS      Health: 1      Flammability: 1      Reactivity: 0**

Hazardous Material Identification System hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations.

**NFPA RATINGS      Health: 1      Flammability: 1      Reactivity: 0**

**HAZARD RATINGS: Least-0/Slight-1/Moderate-2/High-3/Extreme-4**

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

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