Safety Data Sheet

Issue Date 11-Apr-2015 **Revision Date** 28-Sept-2015 **Version** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 103 SPRAY TRIUMPH

Other means of identification
SDS# UNITED-103

Recommended use of the chemical And restrictions on use
Recommended use Rust Converter and Primer Coat
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet
Company Name
United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com
www.unitedlabsinc.ca

Emergency telephone number
Emergency Telephone 800-323-2594 (to reorder)
INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable Aerosol	Category 1
Eye irritation	Category 2A
Specific target organ toxicity, single exposure	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness.

Appearance Clear brown **Physical state** Liquid **Odor** Solvent odor

Prevention
Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust, fume, gas, mist, spray and vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, face protection.

Response
If inhaled: Remove individual to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and able to do so. Continue rinsing. Call poison center or physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

Storage
Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed. Store in a well-ventilated place.

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

Hazard(s) not otherwise classified (HNOC)
Not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Acetone, propan-2-one, propanone	67-64-1	40-60	*
Isobutane	75-28-5	10-20	*
Dimethyl Ether	115-10-6	10-20	*
Ethanediol, ethylene glycol	107-21-1	2.5-10	*
Tannic Acid	1401-55-4	2.5-10	*
2-propanol	67-63-0	2.5-10	*
Propane	74-98-6	2.5-10	*
Oxalic acid	144-62-7	1-2.5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General If breathing is difficult, give oxygen. Get immediate medical attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves, show this sheet where possible. Keep victim warm and rested.

Skin Contact Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician. For minor skin contact, avoid spreading material on unaffected skin. Wash contaminated clothing before reuse.

Eye contact Rinse immediately with plenty of water for at least 15 minutes. If contact lens is present do not delay irrigation or attempt to remove the lens. Immediately call a poison center or doctor/physician.

Inhalation Remove individual to fresh air and keep at rest in a position comfortable for breathing. Artificial respiration and /or oxygen if necessary. Do not apply mouth-to-mouth resuscitation. Induce artificial respiration with the aid of a pocket mask equipped with one-way valve of other proper respiratory medical device. Call a physician immediately.

Ingestion Rinse mouth with water. Get immediate medical advice/attention. Do not induce vomiting without medical advice. Drink plenty of water. If vomiting occurs have person lean forward.

Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. May cause drowsiness or dizziness. Headache, nausea, vomiting. Irritation of the nasal mucous membranes. Irritation to throat. After inhalation, irritation of the nasal mucous membranes. May cause drowsiness or dizziness. Headache. Nausea. Vomiting. No effect known for skin contact. Causes serious eye irritation. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Symptoms may be delayed. Keep watching the victim.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry powder. Alcohol-resistant foam. Water fog. Carbon Dioxide.

Unsuitable extinguishing media Do not use water jet since it may cause the fire to spread.

Specific hazards arising from the chemical
Extremely flammable aerosol. Under fire conditions closed containers may rupture or explode. Combustion produces irritation gases. Contents under pressure. Pressurized container: may burst if heated. Upon combustion; CO and CO2 are formed. Toxic gases may be formed. Irritation gases. In case of fire, corrosive gases come free.

Protective equipment and precautions for firefighters
Exercise caution when fighting any chemical fire. Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers.

Specific Methods
Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Stay upwind/keep distance from source. Evacuate unnecessary personnel. Vapors may travel long distances along ground before igniting/flashing back to vapor source.

Environmental precautions

Environmental precautions Avoid release into the environment. Contact local authorities if considered necessary. Stop leak if safe to do so. Do not contaminate water with the product or its container. Prevent entry to sewers and public waters. Do not allow to enter drains or water courses.

Methods and material for containment and cleaning up

Methods for containment Eliminate every possible source of ignition. Prevent the product from entering drains or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Form with air vapors (heavier than air) who stay on the floor. Stop leak if safe to do so. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. Isolate area until gas has dispersed. Collect spillage.

Methods for cleaning up Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Dispose of hazardous waste.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not use if spray button is missing or defective. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks and flame. Avoid prolonged and repeated contact with skin. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Do not breathe gas/vapor/aerosol. Do not cut, weld solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not spray on a naked flame or any incandescent material. Do not smoke with handling product. Ground/bond container and receiving equipment. Do not reuse empty containers. Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Observe normal hygiene standards. Wash hands and other exposed areas with mild soap and water before we eat, drink or smoke and when leaving work. Do not discharge the waste into the drain. Observe normal hygiene standards. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Pressurized container. Do not puncture, incinerate or crush. No smoking. Do not handle or store near flame, heat, hot surface and sources of ignition. Avoid exposure to direct sunlight, exceeding 50°C/122°F. Keep stored in a cool area. Level 2 Aerosol

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No Exposure limits noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanediol, ethylene glycol 107-21-1	TWA: 10mg/m^3	-	-
Acetone, propan-2-one, propanone 67-64-1	STEL: 500 ppm TWA: 250 ppm	-	-
2-propanol 67-63-0	TWA: 200 ppm	-	-
Ethanediol, ethylene glycol 107-21-1	STEL: 400 ppm	-	-
Propane 74-98-6	TWA: 1000 ppm	PEL/TWA: 1000 ppm	-
Isobutane 75-28-5	STEL: 1000 ppm	-	-
Oxalic acid 144-62-7	TWA: 1 mg/m^3 STEL: 2 mg/m^3	-	-

NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Controls Ensure good general ventilation of the work station. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection	Protective goggles.
Skin and body protection	Protective gloves. Wear appropriate protective clothing.
Respiratory protection	Use appropriate personal protective equipment when risk assessment indicates this is necessary.
General Hygiene	When using do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Gas
Appearance	Clear to brown aerosol spray
Color	Clear, brown
Odor	Solvent-like

Property	Values	Remarks • Method
pH	0.7-1.8	
Specific Gravity	0.519 g/ml Estimated	
Percent volatile	No information available.	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	-156.0°F Propellant estimated	
Boiling point and Boiling range	74.69°F Estimated	
Evaporation rate	No information available.	
Flammability (solid, gas)	No information available.	
Upper flammability limit:	No information available.	
Lower flammability limit:	No information available.	
Vapor pressure	38-48 @ 70° F/21°C	
Vapor density	No Information available.	
Relative density	No information available.	
Water solubility	Complete	
Partition coefficient	No information available.	
Auto-ignition temperature	No information available.	
Decomposition temperature	No information available.	
VOC (weight %)	35-40% estimated	

10. STABILITY AND REACTIVITY

Reactivity

Upon combustion: CO and CO2 are formed. Toxic gases may be formed. Irritating gases. In case of fire, corrosive gases come free.

Chemical stability

Risk of explosion. Risk of ignition. Unstable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. Incompatible materials.

Incompatible materials

Strong oxidizing agents. Nitrates. Peroxides. Fluorine. Chlorine. Do not mix with other chemicals. May form an explosive mixture in the presences of air.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide. Phosphorous oxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Skin and eyes contact; inhalation.

Product Information

Inhalation Irritation of the nasal mucous membranes. May cause drowsiness or dizziness. Headache. Nausea. Vomiting.

Eye contact Causes serious eye irritation.

Skin Contact No effects known.

Ingestion Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Information on toxicological effects

Acute toxicity Narcotic effects. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Chemical Name	Dermal LD50	Oral LD540	Inhalation LC50
Ethanediol, ethylene glycol 107-21-1 ATE CLP	10626 mg/kg (Rabbit) 10626.000 mg/kg body weight	4700 mg/kg (Rat) 500.000 mg/kg body weight	-
Tannic acid (1401-55-4) ATE CLP	-	2260 mg/kg (Rat) 2260.000 mg/kg body weight	-
2-propanal 67-63-0 ATE CLP	12870 mg/kg (Rabbit: experimental value) 12870.000 mg/kg body weight	5045 mg/kg (Rat, experimental value) 5045.000 mg/kg body weight	73 mg/l 4 hours (Rat) 73.000 mg/l 4hours (vapors, mist)
Oxalic acid 144-62-7 ATE CLP	500.000 mg/kg body weight	1100.000 mg/kg body weight	-

*Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Not classified.
Serious eye damage/irritation Causes serious eye irritation.
Respiratory or skin sensitization Not classified.
Germ cell mutagenicity Not classified.
Carcinogenicity Not classified.
Tannic Acid (1401-55-4), IARC Group – 3 not classified.
2-Propanol (67-63-0), IARC Group – 3 – not classified.
Reproductive toxicity No classified.
STOT - single exposure May cause drowsiness and dizziness.
STOT - repeated exposure Not classified.
Aspiration hazard Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life with long lasting effect.

Persistence and degradability
Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available.

Biochemical oxygen demand (BOD) – 1.19 g. Chemical oxygen demand (COD) – 2.23 g. ThOD – 2.40 g. BOD (% of ThOD) – 0.49 % ThOD.

Bioaccumulation

Chemical Name	Log Pow
2-propanol (67-63-0)	0.05 (experimental value) Low potential for bioaccumulation (log kow <4)

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Contents under pressure. Do no puncture, incinerate or crush.

Waste disposal regulations Dispose contents/container to comply with local/regional/national regulations.

14. TRANSPORT INFORMATION

This product meets the exception requirements of Section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

DOT

UN/ID No.	UN1950
Proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity), 2.1
Transport hazard class(es)	2.1 – flammable gas 49 CFR 173.115
Label(s)	2.1
Packaging Non Bulk	None
Packaging Bulk	None
Special provisions	N82
Packaging exceptions	306

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1 – gases: flammable
Quality Limitations Passenger Aircraft/rail(49 CFR 173.527)	75 kg
Quality Limitations cargo only	150 kg

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols
Transport hazard class	2.1 – flammable gases
Environmental Class	Yes.
Marine Pollutant	

15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Ethanediol, ethylene glycol (107-21-1), 2.5-10. 2-propanol (67-63-0), 2.5-10.

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986

Acute health hazard	Yes
Delayed hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

US State Regulations

California Proposition 65

This product contains or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and/or reproductive toxicity.

16. OTHER INFORMATION

NFPA	**Health hazards**	2	**Flammability**	4	**Reactivity**	0	**Physical and Chemical Properties** Yes
HMIS	**Health hazards**	2	**Flammability**	4	**Reactivity**	0	**Personal protection** B

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Revision Note	Revised

No Information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet