Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: DURACELL® ALKALINE BATTERIES
Product Identification: Alkaline Manganese Dioxide Cells –
Tradenames: Plus, Ultra, Simply

Product Use: Energy Source
SDS Date of Preparation: November 2, 2009; Updated May 19, 2010

Duracell Designations:

Name/Size	Duracell Designation	Voltage	IEC Designation
Duracell Plus/Simply D	MN1300	1,5	LR20
Duracell Ultra D	MX1300	1,5	LR20
Duracell Plus/Simply C	MN1400	1,5	LR14
Duracell Ultra C	MX1400	1,5	LR14
Duracell Plus/Simply AA	MN1500	1,5	LR6
Duracell Ultra AA	MX1500	1,5	LR6
Duracell Plus/Simply AAA	MN2400	1,5	LR03
Duracell Ultra AAA	MX2400	1,5	LR03
Duracell Plus/Simply 9V	MN1604	9	6LR61
Duracell Ultra 9V	MX1604	9	6LR61
Duracell 4.5V	MN1203	4,5	3LR12
Duracell AAAA	MN2500	1,5	
Duracell MN11	MN11	6	
Duracell MN9100 N	MN9100	1,5	LR1
Duracell 7K67 J	7K67J	6,2	4LR61

Company Identification:

EU Office
Procter & Gamble UK.
The Heights, Brooklands
Weybridge, Surrey
KT13 0XP UK
Telephone: +44-1-93-289-6000

Switzerland Office
Procter& Gamble
Switzerland SARL
Route de Saint-Georges 47
1213 Petit-Lancy, 1, Geneva,
Telephone: +41-58-004-6111

US Office
Duracell, a division of P&G
Berkshire Corporate Park
Bethel, CT 06801 USA
Telephone: 203-796-4000

Emergency Phone Number: INFOTRAC 24-Hour Emergency Response Hotline: 1-352-323-3500 (United States of America)

SECTION 2: HAZARDS IDENTIFICATION

Physical Appearance: Copper top battery.

CAUTION: May explode or leak, and cause burn injury, if recharged, disposed of in fire, mixed with a different battery type, inserted backwards or disassembled. Replace all used batteries at the same time. Do not carry batteries loose in your pocket or purse. Do not remove the battery label.

EU Classification of Preparation: Not classified as a dangerous preparation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Amount	Classification
Manganese Dioxide	1313-13-9	215-202-6	35-40 %	Xn, R20/22
Zinc	7440-66-6	231-175-3	10-25 %	N, R50/53
Potassium Hydroxide (35 %)	1310-58-3	215-181-3	5-10 %	C, Xn, R22, R35
Graphite (natural or synthetic)	7782-42-5, 7440-44-0	231-955-3 231-153-3	1-5 %	None

Note: Some Duracell alkaline batteries contain a Duracell Power Check™ battery energy gauge, which is a small conductive strip located underneath the PVC battery label that indicates the amount of charge in the battery. It is composed of minute quantities of conductive materials. Due to the small quantity of materials and their solid form, a health or environmental risk is unlikely.

SECTION 4: FIRST AID MEASURES

General Advice: The chemicals and metals in this product are contained in a sealed can. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused. Damaged battery will release concentrated potassium hydroxide, which is caustic. Anticipated potential leakage of potassium hydroxide is 2 to 20 ml, depending on battery size.

Eye Contact: If battery is leaking and material contacts the eye, flush thoroughly with copious amounts of running water for 30 minutes. Seek immediate medical advice.

Skin Contact: If battery is leaking and material contacts the skin, remove any contaminated clothing and flush exposed skin with copious amounts of running water for at least 15 minutes. If irritation, injury or pain persists, seek medical advice.

Inhaled: If battery is leaking, contents may be irritating to respiratory passages. Move to fresh air. If irritation persists, seek medical advice.

Swallowed: If battery contents are swallowed, do not induce vomiting. If the victim is alert, have them rinse their mouth are the surrounding skin with water for at least 15 minutes. Seek immediate medical attention.

Note: This SDS does not include or address the small button cell batteries which can be ingested.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Batteries may burst and release hazardous decomposition products when exposed to a fire situation.

Extinguishing Media: Use any extinguishing media that is appropriate for the surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Fight fire from a distance or protected area. Cool fire exposed

batteries to prevent rupture. Use caution when handling fire-exposed containers (containers may rocket or explode in heat of fire).

Hazardous Combustion Products: Thermal degradation may produce hazardous fumes of zinc and manganese; hydrogen gas, caustic vapors of potassium hydroxide and other toxic by-products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Notify safety personnel of large spills. Caustic potassium hydroxide may be released from leaking or ruptured batteries. Clean-up personnel should wear appropriate protective clothing to avoid eye and skin contact and inhalation of vapors or fumes. Increase ventilation. Carefully collect batteries and place in an appropriate container for disposal.

SECTION 7: HANDLING AND STORAGE

Avoid mechanical or electrical abuse. DO NOT short circuit or install incorrectly. Batteries may explode, pyrolize or vent if disassembled, crushed, recharged or exposed to high temperatures. Install batteries in accordance with equipment instructions. Do not mix battery systems, such as alkaline and zinc carbon, in the same equipment. Replace all batteries in equipment at the same time. Do not carry batteries loose in a pocket or bag. Do not remove battery tester or battery label.

Storage: Store batteries in a dry place at normal room temperature. Do not refrigerate – this will not make them last longer.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The following occupational exposure limits are provided for informational purposes. No exposure to the battery components should occur during normal consumer use. **Refer to specific country regulations for additional exposure limit information.**

Chemical Name	Exposure Limits
Manganese Dioxide	0,5 mg/m^3 TWA UK WEL 0,5 mg/m^3 TWA (inhalable) DFG MAK 0,2 mg/m^3 VL Belgium 0,2 mg/m^3 TWA Denmark LV
Zinc	None established for zinc metal
Potassium Hydroxide	2 mg/m^3 STEL UK WEL 2 mg/m^3 VCD Belgium 2 mg/m^3 Ceiling Denmark LV
Graphite	4 mg/m^3 TWA UK WEL (respirable dust) 10 mg/m^3 TWA UK WEL (inhalable dust) 1,5 mg/m^3 TWA DFG MAK (respirable dust) 4 mg/m^3 TWA DFG MAK (inhalable dust) 2 mg/m^3 VL Belgium (respirable dust)

Ventilation: No special ventilation is needed for normal use.

Respiratory Protection: None required for normal use.

Skin Protection: None required for normal use. Use neoprene, rubber or latex gloves when handling leaking batteries.

Eye Protection: None required for normal use. Wear safety goggles when handling leaking batteries.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Copper top battery.
Water Solubility: Insoluble

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable.

Incompatibility/Conditions to Avoid: Contents are incompatible with strong oxidizing agents. Do not heat, crush, disassemble, short circuit or recharge.

Hazardous Decomposition Products: Thermal decomposition may produce hazardous fumes of zinc and manganese; caustic vapors of potassium hydroxide and other toxic by-products.

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

The chemicals and metals in this product are contained in a sealed can. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused. Damaged battery will release concentrated potassium hydroxide, which is caustic. Anticipated potential leakage of potassium hydroxide is 2 to 20 ml, depending on battery size.

Eye Contact: Contact with battery contents may cause severe irritation and burns. Eye damage is possible.

Skin Contact: Contact with battery contents may cause severe irritation and burns.

Inhalation: Inhalation of vapors or fumes released due to heat or a large number of leaking batteries may cause respiratory and eye irritation.

Ingestion: Swallowing is not anticipated due to battery size. Choking may occur if smaller AAA batteries are swallowed. Ingestion of battery contents (from a leaking battery) may cause mouth, throat and intestinal burns and damage.

Acute Toxicity Data:
Manganese Dioxide: LD50 oral rat >3478 mg/kg
Potassium Hydroxide: LD50 oral rat 273 mg/kg

Chronic Effects: The chemicals in this product are contained in a sealed can and exposure does not occur during normal handling and use. No chronic effects would be expected from handling a leaking battery.

Target Organs: Skin, eyes and respiratory system.

Carcinogenicity: None of the components of this product are listed as carcinogens by the EU Directive on the classification and labeling of substances.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is available. This product is not expected to present an environmental hazard.

SECTION 13: DISPOSAL INFORMATION

Disposal should be in accordance with national and local regulations. Do not incinerate except for disposal in a controlled incinerator.

Duracell alkaline manganese dioxide batteries are labeled in compliance with EU Battery Directive 2006/66.

SECTION 14: TRANSPORT INFORMATION

Transportation Information – Products covered by this SDS, in their original form, are considered "dry cell" batteries and are not regulated as "DANGEROUS GOODS" for transportation.

For finished packaged product transported by ground (ADR/RID): – not regulated
For finished packaged product transported by sea (IMDG) – not regulated
For finished packaged product transported by air (IATA): – not regulated

SECTION 15: REGULATORY INFORMATION

EU Classification of Preparation: Not classified as a dangerous preparation.

REACH: These products are manufactured articles and not subject to REACH registration requirements.

EU Labeling: None Required
Labeling is not required because batteries are classified as articles under the both REACH and the Dangerous Preparations Directive and as such are exempt from the requirement for labeling.

SECTION 16: OTHER INFORMATION

P&G Hazard Rating: Health: 0 Fire: 0 Reactivity: 0

<u>EU Classes and Risk Phrases for Reference (See Sections 2 and 3)</u>
C Corrosive
N Dangerous for the Environment
Xn Harmful
R20/22 : Harmful by inhalation and if swallowed.
R22 Harmful if swallowed.
R35 Causes severe burns
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Data supplied is for use only in connection with occupational safety and health.

DISCLAIMER: This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

SAFETY DATA SHEET Professional Glass Cleaner (Stingray The Ultimate Indoor Cleaning Tool) UE (US-CA-MX / EN)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued	30.08.2015

1.1. Product identifier

Product name	Professional Glass Cleaner (Stingray The Ultimate Indoor Cleaning Tool) UE (US-CA-MX / EN)
Article no.	SRL02 / SRKT2 / SRKT5 / SRKT6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Function	Detergent
Product group	Cleaning agents
Use of the substance/preparation	Glass Cleaner - Non-Aerosol
Uses advised against	No specific uses advised against are identified.
The chemical can be used by the general public	Yes

1.3. Details of the supplier of the safety data sheet

Company name	Unger Enterprises LLC
Office address	425 Asylum Street
Postcode	06610
City	Bridgeport, CT
Country	United States of America
Tel	+1 800 431 2324
Fax	+1 800 367 1988
E-mail	compliance@ungerglobal.com
Website	http://www.ungerglobal.com

1.4. Emergency telephone number

Identification comments	For Hazardous Materials [or Dangerous Goods] Incident - Spill, Leak, Fire, Exposure, or Accident - Call CHEMTREC Day or Night. Within USA and Canada: 1-800-424-9300 CCN726541 or +1 703-527-3887 (collect calls accepted). Within Mexico, please call + 1 203 366 4884 (collect calls accepted) between 8:30 am – 5:00 pm Eastern Time Zone (EST/EDT).

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

GHS Classification, Comments	Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements

Composition on the label	Isopropanol:< 1 % wt/wt, Alcohols, C9-11 ethoxylated:< 1 % wt/wt, Sodium lauryl sulfate:< 1 % wt/wt, Non-ionic surfactants:< 1 % wt/wt, Fragrance mixture:< 0,01 % wt/wt
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Physico-chemical effects	Cf. section 9 for physical-chemical information.
Health effect	Cf. section 11 for toxicological information
Environmental effects	Cf. section 12 for information on ecology.
Symptoms and effects of potential misuse	No information required.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Isopropanol (US)	CAS no.: 67-63-0 Synonyms: Isopropyl alcohol IUPAC name: Propan-2-ol	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE3; H335	< 1 % wt/wt
Alcohols, C9-11 ethoxylated (US)	CAS no.: 68439-46-3 Synonyms: Alcohols, ethoxylated IUPAC name: Alcohols, C9-11 ethoxylated, < 2.5 EO	Eye Dam. 1; H318	< 1 % wt/wt
Sodium lauryl sulfate (US)	CAS no.: 151-21-3 Synonyms: Sodium lauryl sulfate IUPAC name: Sodium dodecyl sulfate	Acute tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	< 1 % wt/wt
Non-ionic surfactants (US)	CAS no.: Trade secret** Synonyms: NJTSRN: 04499600-6633*		< 1 % wt/wt
Fragrance mixture (US)	CAS no.: Trade secret**		< 0,01 % wt/wt

Description of the mixture: Aqueous solution of organic substances. Clear. Light blue. Non-viscous. 0% of the mixture consists of ingredients(s) of unknown toxicity.
* NJTSRN: New Jersey Trade Secret Registry Number
** The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Place unconscious person on the side in the recovery position and ensure breathing can take place. If medical advice is needed, have product container or label at hand.
Inhalation	Due to the small packaging the risk of inhalation is minimal. IF INHALED: Move into fresh air and keep at rest.
Skin contact	Wash skin with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion	Immediately rinse mouth and drink plenty of water (7-10 fl. oz.). Never give liquid to an unconscious person. DO NOT INDUCE VOMITING! If medical advice is needed, have product container or label at hand.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	Cf. section 11.1 - information on toxicological effects.

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

Specific details on antidotes	Decontamination, symptomatic treatment. No special antidote known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Product doesn't ignite. Use fire-extinguishing media appropriate for surrounding materials.
Improper extinguishing media	Water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable.
Hazardous combustion products	Carbon dioxide (CO2). Carbon monoxide (CO). Sulfur dioxide (SO2). Sulfur trioxide (SO3). Organic decomposition products.

5.3. Advice for firefighters

Personal protective equipment	In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Avoid contact with eyes and skin.
Personal protection measures	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
Hazardous combustion products	Cf. section 5

6.1.2. For emergency responders

For emergency responders	In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required.

6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Cleaning method	Absorb spillage with suitable absorbent material. Sweepup or pickup with an industrial vacuum cleaner, store in closed container for disposal.

6.4. Reference to other sections

Other instructions	Cf. section 8 for personal protection, and section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Observe good chemical hygiene practices. Avoid contact with eyes and prolonged skin contact. Avoid eating, drinking and smoking when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store at moderate temperatures in dry, well ventilated area.

Conditions for safe storage

Requirements for storage rooms and vessels	Storage in gateways, passages, stairways, hallways open to public, roofs, attics, cellars and workrooms is not advisable.
Advice on storage compatability	No incompatibilities known.

7.3. Specific end use(s)

Recommendations	Cf. section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Isopropanol	CAS no.: 67-63-0 Synonyms: Isopropyl alcohol	8-hour TWA: 980 mg/m³ REL / long-termed Recommended Exposure Limit / 8 hours (shift length) Recommendations for Occupational Safety and Health - Compendium of Policy Documents and Statements. National Institute for Safety & Health (NIOSH) / USA 15 min.: 1225 mg/m³ REL / short-termed Recommended Exposure Limit / 15 minutes Recommendations for Occupational Safety and Health - Compendium of Policy Documents and Statements. National Institute for Safety & Health (NIOSH) / USA	

DNEL / PNEC

Recommended monitoring procedures	DFG Air Analysis: Method No. 3 Solvent mixtures. MTA/MA-016/A89: Determination of alcohols (isopropyl alcohol, isobutyl alcohol, n-butyl alcohol) in air. MétroPol Fiche 077: alcool en C3 á C8.

8.2. Exposure controls

Precautionary measures to prevent exposure

Organizational measures to prevent exposure	Thoroughly clean hands, forearms, and face after handling of the product, before eating, drinking and lavatory use, and at the end of the work shift.
Technical measures to prevent exposure	Use engineering controls to reduce air contamination to permissible exposure level.

Respiratory protection

Respiratory protection	Under normal conditions of use respiratory protection should not be required. In case of inadequate ventilation or when the product is heated, use suitable respiratory equipment with gas filter (type A2).

Hand protection

Hand protection	For prolonged or repeated skin contact use suitable protective gloves.
Reference to relevant standard	On basis of test data.
Suitable materials	Gloves of nitrile rubber, PVA or Viton are recommended.
Unsuitable materials	Leather or textile.
Breakthrough time	>480 min
Thickness of glove material	0,4 mm

Eye / face protection

Eye protection	Wear approved, tight fitting safety glasses where splashing is probable.

Skin protection

Skin protection (except hands)	Generally regular work clothing sufficient.

Hygiene / Environmental

Specific hygiene measures	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid. Non-viscous.
Colour	Clear. Light blue.
Odour	Apple scent.
Comments, pH (as supplied)	No data recorded.
pH (aqueous solution)	Value: 6,5-8,5
Boiling point / boiling range	Value: 212 °F
Comments, Flash point	No data recorded.
Comments, Evaporation rate	No data recorded.
Flammability (solid, gas)	No data recorded.
Comments, Vapour pressure	No data recorded.
Comments, Vapour density	No data recorded.
Density	Value: 1 g/cm3
Solubility in water	Unlimited miscible
Comments, Decomposition temperature	No data recorded.
Viscosity	Value: 5-10 centipoise
Comments, Viscosity	No data recorded.
Explosive properties	Not explosive
Oxidising properties	Not oxidizing

9.2. Other information

Softening point	Comments: No data available
Content Of Voc	Value: < 0,1

Physical hazards

Comments, Particle size	Technically not feasible.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable in normal conditions.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions under regular storage and handlings conditions known.

10.4. Conditions to avoid

Conditions to avoid	Heating.

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO2). Sulphurous gases (SOx). Organic decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data	No data recorded. ATE (Oral): >5000 mg/kg (calculated)

Toxicological data for substances

Substance	Isopropanol (US)
LD50 oral	Value: 4710 mg/kg Animal test species: rat
LD50 dermal	Value: 12870 mg/kg Animal test species: rabbit
LC50 inhalation	Value: 72,6 mg/l Animal test species: rat Duration: 4h
Toxicity type:	Skin irritation Species: multiple animal species Result evaluation: not significantly skin irritatating
Toxicity type:	Eye irritation Species: rabbit Result evaluation: severely eye irritating
Toxicity type:	Skin sensitivity Species: guinea pig Result evaluation: not skin sensitizing
Toxicity type:	Respiratory sensitivity Result evaluation: Data are currently not available or the data are not sufficient for classification.
Toxicity type:	In vitro mutagenicity Result evaluation: not mutagenic Toxicity type: In vivo mutagenicity Result evaluation: not mutagenic
Carcinogenicity	Toxicity type: Carcinogenicity Route of exposure: Inhalation. Species: rat Result evaluation: Some positive data exist, but the data are not sufficient for classification.
Reproductive toxicity	Toxicity type: Reproductive / developmental toxicity Route of exposure: Oral Species: rat Result: 400 mg/kg Result evaluation: Exposure during organogenesis: NOAEL Comments: Some positive developmental data exist, but the data are not sufficient for classification.
Reproductive toxicity	Toxicity type: Reproductive / developmental toxicity Route of exposure: Inhalation. Species: rat Result: 9 mg/kg Result evaluation: Exposure during gestation: LOAEL Comments: Some positive developmental data exist, but the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Acute Route of exposure: Inhalation. Species: human Specific effect: May cause drowsiness or dizziness Organ affected: nervous system Result evaluation: NOAEL: not available

Specific target organ SE test results	Toxicity type: Acute Route of exposure: Inhalation. Species: human Specific effect: respiratory irritation Organ affected: respiratory tract Result evaluation: NOAEL: not available Comments: Some positive data exist, but the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Acute Route of exposure: Inhalation. Respiratory or skin sensitisation: 24 h Species: guinea pig Specific effect: auditory system disorders Organ affected: auditory sysrem Result: 13,4 Result evaluation: NOAEL Comments: Some positive data exist, but the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Chronic Route of exposure: Inhalation. Test duration: 24 month Species: rat Specific effect: disorders Organ affected: kidney an/or bladder Result evaluation: Some positive positive data exist, but the data are not sufficient for classification-
Specific target organ SE test results	Toxicity type: Subchronic Route of exposure: Inhalation. Respiratory or skin sensitisation: 12 week Species: rat Specific effect: disorders Organ affected: nervous system Result evaluation: Some positive data exist, but the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Subchronic Route of exposure: Oral Test duration: 12 week Species: rat Specific effect: disorders Organ affected: kidney and/or bladder Result evaluation: Some positive data exist, but the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Aspiration Route of exposure: Oral Result evaluation: Data are currently not available or the data are not sufficient for classification.
Substance	Alcohols, C9-11 ethoxylated (US)
LD50 oral	Value: 1378 mg/kg Animal test species: rat
LD50 dermal	Value: > 2000 mg/kg Animal test species: rabbit
Toxicity type:	Skin irritation Species: rabbit Result evaluation: skin irritiating
Toxicity type:	Eye damage Result evaluation: professional judgement: eye damaging

Toxicity type:	Skin sensitivity Species: guinea pig Result evaluation: not skin sensitizing
Toxicity type:	Respiratory sensitivity Result evaluation: Data are currently not available or the data are not sufficient for classification.
Toxicity type:	In vitro mutagenicity Result evaluation: not mutagenic
Reproductive toxicity	Toxicity type: Reproductive / developmental toxicity Route of exposure: Dermal Test duration: 2 gener. Species: rat Result: 250 mg/kg Result evaluation: Two-generation study: not toxic to female reproduction: NOAEL
Reproductive toxicity	Toxicity type: Reproductive / developmental toxicity Route of exposure: Dermal Test duration: 2 gener. Species: rat Result: 250 mg/kg Result evaluation: Two-generation study: not toxic to development: NOAEL
Reproductive toxicity	Toxicity type: Reproductive / developmental toxicity Route of exposure: Dermal Test duration: 2 gener. Species: rat Result: 100 mg/kg Result evaluation: Two-generation study: some positive male reproductive data exist, but the data are not sufficient for classification: NOAEL
Specific target organ SE test results	Toxicity type: Acute Route of exposure: Inhalation. Species: not available Specific effect: respiratory irritation Organ affected: respiratory tract Result evaluation: Some positive data exist, but the data are not sufficient for classification: NOAEL not available
Specific target organ SE test results	Toxicity type: Subchronic Route of exposure: Dermal Test duration: 13 week Species: rat Specific effect: disorders Organ affected: kidney and/or bladder Result: 125 mg/kg Result evaluation: Some positive data exist, but the data are not sufficient for classification: NOAEL
Specific target organ SE test results	Toxicity type: Subchronic Route of exposure: Dermal Test duration: 13 week Species: rat Specific effect: disorders Organ affected: hematopoietic system Result: 125 mg/kg Result evaluation: All data are negative: NOAEL
Specific target organ SE test results	Toxicity type: Aspiration Route of exposure: Oral Result evaluation: Data are currently not available or the data are not sufficient for classification.

Substance	Sodium lauryl sulfate (US)
LD50 oral	Value: 1650 mg/kg Animal test species: rat
LD50 dermal	Value: 580 mg/kg Animal test species: rabbit
LC50 inhalation	Value: > 0,975 mg/l Animal test species: not available Comments: Inhalation of dust/mist
Toxicity type:	Skin irritation Species: rabbit Result evaluation: skin irritating
Toxicity type:	Eye damage Species: rabbit Result evaluation: eye damaging
Toxicity type:	Respiratory sensitivity Result evaluation: Data are currently not available or the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Acute Route of exposure: Inhalation. Species: not available Specific effect: respiratory irritation Organ affected: respiratory tract Result evaluation: May cause respiratory irritaion: NOAEL not available
Specific target organ SE test results	Toxicity type: Aspiration Route of exposure: Oral Result evaluation: Data are currently not available or the data are not sufficient for classification.
Substance	Non-ionic surfactants (US)
LD50 oral	Value: 3730 mg/kg Animal test species: rat
LD50 dermal	Value: > 11200 mg/kg Animal test species: rabbit
Toxicity type:	Respiratory sensitivity Result evaluation: Data are currently not available or the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Aspiration Route of exposure: Oral Result evaluation: Data are currently not available or the data are not sufficient for classification.
Substance	Fragrance mixture (US)
LD50 oral	Value: 40600 mg/kg Animal test species: rat
Toxicity type:	Respiratory sensitivity Result evaluation: Data are currently not available or the data are not sufficient for classification.
Specific target organ SE test results	Toxicity type: Aspiration Route of exposure: Oral Result evaluation: Data are currently not available or the data are not sufficient for classification.

Potential acute effects

Inhalation	Aerosols irritate the respiratory system, and may cause coughing and difficulties in breathing.
Skin contact	No specific health warnings noted. Not Irritating.
Eye contact	Spray and vapour in the eyes may cause irritation and smarting.
Ingestion	No specific health warnings noted.

Aspiration hazard	No data recorded.

Delayed effects / repeated exposure

Sensitisation	No specific health warnings noted.
STOT-single exposure	No data available, probably no subchronic toxicity
STOT-repeated exposure	No data available, probably no chronic toxicity

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	No specific health warnings noted.
Mutagenicity	No specific health warnings noted.
Teratogenic properties	No specific health warnings noted.
Reproductive toxicity	No specific health warnings noted.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability	All organic components are considered biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	The product is not bioaccumulating.

12.4. Mobility in soil

Mobility	No data on possible environmental effects have been found.

12.5. Results of PBT and vPvB assessment

PBT assessment results	This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Comments, Ozone depletion potential	Ozone depletion potential not known
Comments, Photochemical ozone creation	Ozone formation potential not known
Comments Global warming potential	Global greenhouse effect not known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of waste and residues in accordance with local authority requirements. No specific disposal method required.
Relevant waste regulation	USA: Federal waste regulation: 40 CFR 261 Canada: Canadian Environmental Protection Act (CEPA 1999; s.s..1999, c.33) Part 7 Controlling Pollution and Managing Wastes. Mexico: Regulation of the General Law of Ecological Balance and Environmental Protection in Hazardous Waste.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	Yes

SECTION 14: Transport information

14.1. UN number

Comments	No recommendation given.

14.2. UN proper shipping name

Comments	No recommendation given.

14.3. Transport hazard class(es)

Comments	No recommendation given.

14.4. Packing group

Comments No recommendation given.

14.5. Environmental hazards

Comments No recommendation given.

14.6. Special precautions for user

Special safety precautions for user No recommendation given.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product name No recommendation given.

Additional information.

Additional information. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

ADR / RID - Other information

ADR Other information No recommendation given.

ADN - Other information

Other information No recommendation given.

IMDG / ICAO / IATA Other information

IMDG Other information No recommendation given.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

References (laws/regulations) International Inventories

USA: All compounds are listed on the TSCA Inventory
Canada: All components are listed either on the DSL or NDSL.

Regulations of the United States of America:

29 CFR 1910.1200, Subpart Z (Toxic and Hazardous Substances), App. A (Health Hazards), App B (Physical Criteria), App C (Allocation of Label Elements), App D (Minimum Information for a SDS), App E (Trade Secret), App F (Carcinogenicity).

US Federal Regulations:

SARA 313:
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories:
Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act):
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as

hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65:
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations:
This product does not contain any substances regulated by state right-to-know regulations.

Regulations of Canada:

Workplace Hazardous Materials Information System (WHMIS 2015), adoption to the Globally Harmonized System (GHS).
Hazardous Products Act (R.S.C., 1985, c.H-3), last amended Feb 11, 2015.
Hazardous Products Regulation (SOR / 2015-17), last amended Feb 11, 2015.

Regulations of Mexico:

Official Mexican Standard NMX-R-019-SCFI-2011, harmonized system of classification and hazard communication of chemicals [Globally Harmonized System (GHS)] (DOF, 29-VI-2011).
Official Mexican Standard NOM-018-STPS-2000, system for the identification and communication of hazards and risks from hazardous chemicals in the workplace (DOF. 27-X-2000).

15.2. Chemical safety assessment

Chemical safety assessment performed	No
Chemical Safety Assessment	No data recorded.
Exposure scenarios for mixture	No
Exposure Scenario Comments	No recommendation given.

SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H315 Causes skin irritation. H335 May cause respiratory irritation. H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
Training advice	Not relevant.
Recommended restrictions on use	Not relevant.
User notes	In the case of mixing the product with other products or in the case of

	processing, the information on this safety data sheet is not necessarily valid for the new made-up material, as far as not expressly stated otherwise.
Version	1
Responsible for safety data sheet	Unger Enterprises LLC