

**Safety Data Sheet
Get Red E**

SECTION 1: Identification

Product identifier

Product name Get Red E
Product number 5223

Recommended use of the chemical and restrictions on use

Car cleaning solution

Supplier's details

Name ardex
Address 2050 byberry rd
Philadelphia, PA 19116
United States of America

Telephone 2156980500
email info@ardexlabs.com

Emergency phone number(s)

800-424-9300
CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE
NUMBER

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

- Eye damage/irritation (chapter 3.3), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 1A
- Acute toxicity (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2
- Eye damage/irritation (chapter 3.3), Cat. 2A

GHS label elements, including precautionary statements

Pictogram



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Signal word

Danger

Hazard statement(s)

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H302	Harmful if swallowed
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects
H319	Causes serious eye irritation

Precautionary statement(s)

Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands and exposed skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor
P313	Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

Storage

P405	Store locked up.
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Disposal

P501	Dispose of contents/container to local, state, and federal regulations
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SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
POTASSIUM HYDROXIDE liquid (CAS no.: 1310-58-3; EC no.: 215-181-3; Index no.: 019-002-00-8)	<= 15 % (Volume)
CLASSIFICATIONS: Acute toxicity (chapter 3.1), Cat. 4; Skin corrosion/irritation (chapter 3.2), Cat. 1A. HAZARDS: H302 - Harmful if swallowed; H314 - Causes severe skin burns and eye damage.	
Sodium metasilicate (CAS no.: 6834-92-0; EC no.: 229-912-9; Index no.: 014-010-00-8)	<= 5 % (Volume)
CLASSIFICATIONS: Skin corrosion/irritation (chapter 3.2), Cat. 1B; Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3. HAZARDS: H314 - Causes severe skin burns and eye damage; H335 - May cause respiratory irritation.	
Sodium hydroxide liquid (CAS no.: 1310-73-2; EC no.: 215-185-5; Index no.: 011-002-00-6)	<= 5 % (Volume)
CLASSIFICATIONS: Skin corrosion/irritation (chapter 3.2), Cat. 1A. HAZARDS: H314 - Causes severe skin burns and eye damage.	
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides (CAS no.: 61791-10-4)	<= 5 % (Volume)
CLASSIFICATIONS: Eye damage/irritation (chapter 3.3), Cat. 1; Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2. HAZARDS: H318 - Causes serious eye damage; H411 - Toxic to aquatic life with long lasting effects.	
Oxirane, 2-methyl-, polymer with oxirane, mono(2-ethylhexyl) ether (CAS no.: 64366-70-7)	<= 10 % (Volume)
CLASSIFICATIONS: Eye damage/irritation (chapter 3.3), Cat. 2A. HAZARDS: H319 - Causes serious eye irritation.	

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SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
If inhaled	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
In case of skin contact	Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
In case of eye contact	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician. If vomiting occurs, keep head low so that stomach content does not enter lungs.

Most important symptoms/effects, acute and delayed

General: Symptoms of chemical burns may be delayed. Keep victim under observation
Inhalation: May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system
Skin Contact: Causes severe burns.
Eye Contact: Causes serious eye damage
Ingestion: Toxic if swallowed. May cause burns to mouth, throat, and stomach.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: None known

Specific hazards arising from the chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Special protective actions for fire-fighters

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Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Further information

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, sulfur oxides, phosphorous oxides, halogenated compounds

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

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

Emergency Procedures: Evacuate unnecessary personnel.

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

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

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Specific end use(s)

Vehicle cleaning product

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: 1310-73-2

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Sodium hydroxide

Cal/OSHA: (C) 2 mg/m³ PEL inhalation; NIOSH: (C) 2 mg/m³ REL inhalation; OSHA: 2 mg/m³ PEL inhalation

CAS: 61791-10-4

Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides
TWA

CAS: 74-87-3

methyl chloride

ACGIH: 100ppm STEL; 50ppm TWA; OSHA: 200ppm STEL; 100ppm twa

Appropriate engineering controls

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. Ensure all national/local regulations are observed.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Eye Protection: Chemical goggles or safety glasses.

Skin protection

Skin and Body Protection: Wear suitable protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental exposure controls

Do not allow the product to be released into the environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	CLEAR, FREE-FLOWING RED
Odor	Characteristic
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	105-112 C (221-231 F)
Flash point	None
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Vapor pressure	16.2 (@20 DEG. C.)
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	Miscible
Partition coefficient: n-octanol/water	No data available.

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Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

Reactivity

Hazardous reactions will not occur under normal conditions.

Chemical stability

Stable under recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions

Hazardous polymerization will not occur

Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Incompatible materials.

Incompatible materials

Avoid strong oxidizers, strong acids and highly electrovalent metals (e.g. Al, Mg, Fe, etc.)

Hazardous decomposition products

Toxic Gases (such as Formic Acid and Carbon Monoxide)

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Oxirane, 2-methyl-, polymer with oxirane, mono(2-ethylhexyl) ether
LD50 Oral - Rat - >2000 mg/kg

Skin corrosion/irritation

Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides
LD50 Skin
Remarks: FHSA Skin irritation index = 4.0

Oxirane, 2-methyl-, polymer with oxirane, mono(2-ethylhexyl) ether
LD50 Skin - Rat - >2000 mg/kg
Result: No deaths occurred at this concentration
Remarks: Prolonged skin contact is unlikely to result in absorption of harmful amounts

Serious eye damage/irritation

Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides

Remarks: This product has not been tested. The information is derived from products of a similar composition.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

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Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

Oxirane, 2-methyl-, polymer with oxirane, mono(2-ethylhexyl) ether
EC50 - Daphnia magna (water flea) - 36.6 ml/l - 48hr

Oxirane, 2-methyl-, polymer with oxirane, mono(2-ethylhexyl) ether
EC50 - Pseudokirchneriella subcapitata (green algae) - 31.9-97.7 - 72hr
Result: growth rate inhibition

Persistence and degradability

Oxirane, 2-methyl-, polymer with oxirane, mono(2-ethylhexyl) ether
OECD - Biodegradation - >60% - 28days
Result: OECD Test Guideline 301F or equivalent

SECTION 13: Disposal considerations

Disposal of the product

Dispose of product in accordance with all state, local, and federal regulations

Disposal of contaminated packaging

Do not reuse packaging

Waste treatment

No data available.

Sewage disposal

No data available.

Other disposal recommendations

No data available.

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SECTION 14: Transport information

DOT (US)

UN Number: 1760

Class: 8

Packing Group: PGII

Proper Shipping Name: Compounds, cleaning liquid (Containing Potassium Hydroxide)

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

ORMD:

May be reclassified as a CONSUMER COMMODITY ORM-D when shipped by ground in the US in containers not exceeding 38 ounces.

IMDG

UN Number:

Class:

Packing Group:

EMS Number:

Proper Shipping Name:

IATA

UN Number:

Class:

Packing Group:

Proper Shipping Name:

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Potassium hydroxide

CAS number: 1310-58-3

New Jersey Right To Know Components

Common name: POTASSIUM HYDROXIDE

CAS number: 1310-58-3

Pennsylvania Right To Know Components

Chemical name: Potassium hydroxide

CAS number: 1310-58-3

Massachusetts Right To Know Components

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

New Jersey Right To Know Components

Common name: SODIUM HYDROXIDE

CAS number: 1310-73-2

Pennsylvania Right To Know Components

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

SARA 311/312 Hazards

Acute health hazard

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SARA 313 Components

0.03% methyl chloride

Toxic Substances Control Act (TSCA) Inventory

yes

Toxic Substances Control Act (TSCA) Inventory

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16: Other information

Revision Date

05/02/2016

Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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