REDKEN

SAFETY DATA SHEET

1. Identification

Product identifier REDKEN FLASH LIFT 9 LEVEL BONDER INSIDE BLEACH

Other means of identification

SDS number 41-23-0000025

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

US Address: L'Oreal USA Products, Inc

133 Terminal Avenue

Clark, NJ 07066

USA

Canadian Address: L'Oreal Canada

4895 rue Hickmore

Ville St-Laurent, H4T 1K5

Canada

Emergency Phone #: 1-800-535-5053 (International: 352-323-3500)

In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further Information: 1-732-499-2741

Poison Control #: 412-390-3326

2. Hazard(s) identification

 Physical hazards
 Self-reactive substances and mixtures
 Type F

 Health hazards
 Acute toxicity, oral
 Category 4

 Skin corrosion/irritation
 Category 1B

 Serious eye damage/eye irritation
 Category 1

Sensitization, respiratory

Sensitization, skin

Category 1

Category 1

Category 1

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Heating may cause a fire. Harmful if swallowed. Causes severe skin burns and eye damage. May

cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma

symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Material name: REDKEN FLASH LIFT 9 LEVEL BONDER INSIDE BLEACH
39939 RDK1 Version #: 01 Issue date: 07-12-2022

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep/Store away from

clothing and other combustible materials. Keep only in original container. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of

inadequate ventilation wear respiratory protection.

If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all Response

contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated

clothing before reuse. In case of fire: Use appropriate media to extinguish.

Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store Storage

at temperatures not exceeding 25°C / 77°F. Store away from other materials.

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

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
POTASSIUM PERSULFATE		7727-21-1	41.6
SODIUM METASILICATE		6834-92-0	14.5
AMMONIUM PERSULFATE		7727-54-0	11.6
SODIUM SILICATE		1344-09-8	4.37
MINERAL OIL		8042-47-5	4
CITRIC ACID		5949-29-1	3.64
UREA		57-13-6	2.5

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or

doctor/physician.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Call a physician

or poison control center immediately. Chemical burns must be treated by a physician. Wash

contaminated clothing before reuse.

Eye contact Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control

center immediately.

Ingestion Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important

symptoms/effects, acute and

delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result. May cause respiratory irritation. Difficulty in breathing.

Indication of immediate medical attention and special

treatment needed

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical General information personnel are aware of the material(s) involved, and take precautions to protect themselves. Show

this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting

equipment/instructions

Use water spray to cool unopened containers.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards Heating may cause a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation. Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

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

7. Handling and storage

Precautions for safe handling

Minimize dust generation and accumulation. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Keep only in the original container. Store in a well-ventilated place. Store away from other materials. Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
MINERAL OIL (CAS 8042-47-5)	PEL	5 mg/m3	Mist.
US. ACGIH Threshold Limit Values Components	Туре	Value	Form
AMMONIUM PERSULFATE (CAS 7727-54-0)	TWA	0.1 mg/m3	
MINERAL OIL (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.
POTASSIUM PERSULFATE (CAS 7727-21-1)	TWA	0.1 mg/m3	

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US. NIOSH: Pocket Guide to Chemical Hazards			
Components	Туре	Value	Form
MINERAL OIL (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
US. Workplace Environmental	Exposure Level (WEEL) Guides		
Components	Туре	Value	Form
UREA (CAS 57-13-6)	TWA	10 mg/m3	Total particulate.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. 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. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Applicable for industrial settings only. Wear safety glasses with side shields (or goggles) and a

face shield.

Skin protection

Hand protection Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

Other Applicable for industrial settings only. Wear appropriate chemical resistant clothing.

Respiratory protection Applicable for industrial settings only. Use a NIOSH/MSHA approved respirator if there is a risk of

exposure to dust/fume at levels exceeding the exposure limits. Dust & vapor respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Vapor pressure

Physical state Solid. Powder. **Form** Light blue. Color Not available. Odor **Odor threshold** Not available. Ηq Not applicable. Melting point/freezing point Not available. Not available. Initial boiling point and boiling range Not available. Flash point Not available. **Evaporation rate** Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits Flammability limit - lower Not available. (%) Flammability limit - upper Not available. (%) Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

pH in aqueous solution 10 - 10.6 (1%)

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with

incompatible materials.

Incompatible materials Combustible material.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation May cause irritation to the respiratory system. May cause allergy or asthma symptoms or

breathing difficulties if inhaled. Prolonged inhalation may be harmful.

Skin contact Causes severe skin burns. May cause an allergic skin reaction.

Eye contact Causes serious eye damage.

Ingestion Causes digestive tract burns. Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result. May cause respiratory irritation. Difficulty in breathing.

Information on toxicological effects

Acute toxicity Harmful if swallowed.

REDKEN FLASH LIFT 9 LEVEL BONDER INSIDE BLEACH

Product Species Test Results

Acute

Dermal

ATEmix 12860 mg/kg

Inhalation

Dust

ATEmix 21.88 mg/l

Oral

ATEmix 1317 mg/kg

Components Species Test Results

AMMONIUM PERSULFATE (CAS 7727-54-0)

<u>Acute</u>

Dermal

LD50 Rat > 2000 mg/kg

> 2000 mg/kg bw OECD 402

Components	Species	Test Results
Inhalation		
LC50	Rat	> 2.95 mg/l, 4 h EPA OPP 81-3
Oral		
LD50	Rat	700 mg/kg bw OECD 401
CITRIC ACID (CAS 5949-29	-1)	
Acute	•	
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Oral		
LD50	Mouse	5400 mg/kg
	Rat	6730 mg/kg
MINERAL OIL (CAS 8042-47	7-5)	3 3
Acute	. 5,	
Dermal Dermal		
LD50	Rabbit	> 2000 mg/kg OECD 402
Inhalation		3 3
Aerosol		
LC50	Rat	> 5 mg/L air, 4 h OECD 403
Oral		, , , , , , , , , , , , , , , , , , ,
LD50	Rat	> 5000 mg/kg OECD 401
POTASSIUM PERSULFATE	(CAS 7727-21-1)	5.3 • • •
Acute	(6/16/1727/27/1)	
<u> Dermal</u>		
LD50	Rabbit	> 10000 mg/kg
Inhalation	, tabbit	nooco mg/ng
LC50	Rat	> 42.9 mg/l, 1 h
Oral	, tat	12.5 mg/i, 1 m
LD50	Rat	1130 mg/kg OECD 401
SODIUM METASILICATE (C		1.00 mg/kg 0205 101
Acute	DAS 0034-92-0)	
<u>Acute</u> Dermal		
LD50	Rat	> 5000 mg/kg Based on test data for
2500	, tat	structurally similar materials.
Inhalation		
LC50	Rat	> 2.06 mg/l, 4.4 h Based on test data for
		structurally similar materials.
Oral		
LD50	Rat	1152 mg/kg
SODIUM SILICATE (CAS 13	344-09-8)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 5000 mg/kg bw EPA OPPTS 870.1200
Inhalation		
LC50	Rat	> 2.06 mg/L air, 4.4 h EPA OPPTS
<u>.</u> .		870.1300
Oral	D .	0400 # 1 0505 /0/
LD50	Rat	3400 mg/kg bw OECD 401
UREA (CAS 57-13-6)		
<u>Acute</u>		
Oral	D-4	0.474
LD50	Rat	8471 mg/kg

Skin corrosion/irritation Causes severe skin burns and eye damage.

Irritation Corrosion - Skin

SODIUM METASILICATE OECD 404

Result: Corrosive Species: Rabbit

AMMONIUM PERSULFATE OECD 404

Result: Irritating Species: Rabbit

SODIUM SILICATE OECD 404
Result: Irritating

Result: Irritating Species: Rabbit

MINERAL OIL OECD 404

Result: Not Irritating Species: Rabbit

UREA OECD 404

Result: Not Irritating Species: Rabbit

CITRIC ACID OECD 404

Result: Slightly Irritating

Species: Rabbit Result: Irritating Species: Human

Serious eye damage/eye Causes serious eye damage.

irritation

Irritation Corrosion - Eye

POTASSIUM PERSULFATE

SODIUM METASILICATE IRE

Result: Corrosive Species: In vitro

AMMONIUM PERSULFATE OECD 405

Result: Irritating Species: Rabbit

CITRIC ACID

OECD 405

Result: Irritating

Species: Rabbit

MINERAL OIL OECD 405

Result: Not Irritating Species: Rabbit

UREA OECD 405

Result: Slightly Irritating

Species: Rabbit Result: Corrosive Species: Rabbit

Result: Irritating Species: Human

Respiratory or skin sensitization

POTASSIUM PERSULFATE

SODIUM SILICATE

POTASSIUM PERSULFATE

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

AMMONIUM PERSULFATE Result: Sensitizing

Species: Human Result: Sensitizing Species: Human

Skin sensitization May cause an allergic skin reaction.

Sensitization

AMMONIUM PERSULFATE OECD 406

Result: Sensitizing Species: Guinea pig

SODIUM SILICATE OECD 429

Result: Not Sensitizing

Species: Mouse OECD 429

POTASSIUM PERSULFATE OECD 429
Result: Sensitizing

Species: Mouse

Skin sensitization

CITRIC ACID OECD 406

Result: Not Sensitizing Species: Guinea pig

Skin sensitization

MINERAL OIL OECD 406

Result: Not Sensitizing Species: Guinea pig

SODIUM METASILICATE

OECD 429

Result: Not Sensitizing Species: Mouse

POTASSIUM PERSULFATE OECD 429

Result: Sensitizing Species: Guinea pig

UREA Result: Not Sensitizing

Species: Human

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Mutagenicity

CITRIC ACID Result: In vitro and in vivo tests did not show mutagenic

effects.

SODIUM METASILICATE Result: In vitro and in vivo tests did not show mutagenic

effects.

SODIUM SILICATE Result: In vitro and in vivo tests did not show mutagenic

effects.

AMMONIUM PERSULFATE

MINERAL OIL

POTASSIUM PERSULFATE

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

Carcinogenicity

Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OIL (CAS 8042-47-5)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Developmental effects

UREA > 1000 mg/kg bw/d OECD 414

Result: NOAEL Species: Rat

SODIUM METASILICATE > 200 mg/kg bw/d

Result: NOAEL Species: Mouse

SODIUM SILICATE > 200 mg/kg bw/d

Result: NOAEL Species: Rat

AMMONIUM PERSULFATE > 250 mg/kg bw/d OECD 421

Result: NOAEL Species: Rat

CITRIC ACID > 295 mg/kg bw/d, No effects on development

Result: NOAEL Species: Rat

MINERAL OIL > 5000 mg/kg bw/d OECD 414, No effects on development

Result: NOAEL Species: Rat

Reproductivity

SODIUM METASILICATE > 159 mg/kg bw/d

Result: NOAEL Species: Rat

SODIUM SILICATE > 159 mg/kg bw/d, Oral

Result: NOAEL Species: Rat

AMMONIUM PERSULFATE > 250 mg/kg bw/d OECD 421

Result: NOAEL Species: Rat

CITRIC ACID > 2500 mg/kg bw/d, No effects on fertility

Result: NOAEL

Species: Rat

Reproductivity MINERAL OIL

>= 2000 mg/kg bw/d OECD 415, No effects on fertility

Result: NOAEL Species: Rat

Specific target organ toxicity -

May cause respiratory irritation.

single exposure

SODIUM METASILICATE Result: Irritating SODIUM SILICATE Result: Irritating POTASSIUM PERSULFATE Result: Irritating Species: Human

Specific target organ toxicity -

AMMONIUM PERSULFATE

Not classified.

repeated exposure

MINERAL OIL > 2000 mg/kg bw/d OECD 411, Dermal

Result: NOAEL Species: Rat Test Duration: 90 d

> 227 mg/kg bw/d OECD 408, Oral SODIUM METASILICATE

Result: NOAEL Species: Rat Test Duration: 90 d

> 50 mg/m3 air OECD 412, Inhalation MINERAL OIL

Result: NOAEC Species: Rat Test Duration: 28 d

>= 1200 mg/kg bw/d OECD 453, Oral

Result: NOAEL Species: Rat Test Duration: 2 years 10.3 mg/m³, Inhalation Result: NOAEC

Species: Rat Test Duration: 90 d

POTASSIUM PERSULFATE 131.5 ma/ka bw/d OECD 407

Result: NOAEL Species: Rat Test Duration: 28 d

2400 mg/kg bw/d OECD 407 SODIUM SILICATE

Result: NOAEL Species: Rat Test Duration: 28 d 4000 mg/kg bw/d, Oral Result: NOAEL

Species: Rat Test Duration: 10 d

AMMONIUM PERSULFATE 41.1 mg/kg bw/d OECD 407, Oral

Result: NOAEL Species: Rat Test Duration: 28 d

Aspiration hazard

CITRIC ACID

Not an aspiration hazard.

Further information

May cause allergic respiratory and skin reactions. The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results	
AMMONIUM PERSUL	FATE (CAS 7727-	54-0)		
Aquatic				
Acute				
Algae	EC50	Pseudokirchneriella subcapitata	83.7 mg/l, 72 h	
Crustacea	EC50	Daphnia magna	120 mg/l, 48 h	
Fish	LC50	Oncorhynchus mykiss	76 mg/l, 96 h	
Other	EC10	Pseudomonas putida	36 mg/l, 18 h	

SDS US

Components		Species	Test Results
Chronic			
Algae	NOEC	Desmodesmus subspicatus	32 mg/l, 72 h OECD 201
CITRIC ACID (CAS 594	9-29-1)		
Aquatic			
Acute			
Algae	LOEC	Microcystis aeruginosa	80 mg/l, 7 d
Crustacea	EC50	Daphnia magna	1535 mg/l, 24 h
Fish	LC50	Leuciscus idus	440 - 760 mg/l, 96 h
Other	NOAEC	Pseudomonas putida	18 h
MINERAL OIL (CAS 804	42-47-5)		
Aquatic			
Acute			
Algae	NOEL	Pseudokirchneriella subcapitata	> 100 mg/l, 72 h OECD 201
Crustacea	EL50	Daphnia magna	> 100 mg/l, 48 h OECD 202
Fish	LL50	Oncorhynchus mykiss	> 100 mg/l, 96 h OECD 203
Chronic			
Crustacea	NOEC	Daphnia magna	10 mg/l, 21 d OECD 211
SODIUM METASILICAT	ΓΕ (CAS 6834-92-	0)	
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	> 207 mg/l, 72 h DIN 38412, Pt. 9
Crustacea	EC50	Daphnia magna	> 1700 mg/l, 48 h EU C.2
Fish	LC50	Danio rerio	> 210 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	100 mg/l, 3 h OECD 209
SODIUM SILICATE (CA	S 1344-09-8)		
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	> 345.4 mg/l, 72 h DIN 38412 Part 9
Crustacea	EC50	Daphnia magna	1700 mg/l, 48 h EU C.2
Fish	LC50	Danio rerio	1108 mg/l, 96 h OECD 203
Other	EC0	Pseudomonas putida	3454 mg/l, 30 min DIN 38412 Part 27
UREA (CAS 57-13-6)		·	-
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3910 mg/l, 48 hours
Acute			
	EC50	Daphnia magna	> 10000 mg/l, 24 h DIN 38412, 11
Crustacea	EC30	Daprina magna	· 10000 mg/i, 2 m Bir 00 m2, m

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

MINERAL OIL 31 % OECD 301 F

Result: Not Readily Biodegradable
POTASSIUM PERSULFATE Result: Not expected to bioaccumulate

UREA 96 % OECD 302 B

Result: Inherently biodegradable.

Test Duration: 16 d

Percent degradation (Aerobic biodegradation-ready)

CITRIC ACID

Result: Readily Biodegradable

Test Duration: 28 d

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

CITRIC ACID -1.64

UREA -1.59 OECD 107

Bioaccumulation

CITRIC ACID Result: Bioaccumulation is unlikely.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

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

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code This product is a reactivity characteristic (D003) RCRA hazardous waste when intended for

disposal.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

FINISHED GOODS

UN number UN3230

UN proper shipping name SELF-REACTIVE SOLID TYPE F (POTASSIUM PERSULFATE, AMMONIUM PERSULFATE),

Limited Quantity

Class 4.1 Packing group II

Transport hazard class(es)

Label(s) Limited Quantity

Packaging exceptions None LTD QTY Net Inner Capacity 500 g

BULK

UN number UN3230

UN proper shipping name SELF-REACTIVE SOLID TYPE F (POTASSIUM PERSULFATE, AMMONIUM PERSULFATE)

Class 4.1
Packing group II
Transport hazard class(es)

Label(s) 4.1 Packaging non bulk 224

IATA

FINISHED GOODS

UN number UN3230

UN proper shipping name SELF-REACTIVE SOLID TYPE F (POTASSIUM PERSULFATE, AMMONIUM PERSULFATE)

Class 4.1

Packing group Not applicable.

ERG Number 3L

BULK

UN number UN3230

UN proper shipping name SELF-REACTIVE SOLID TYPE F (POTASSIUM PERSULFATE, AMMONIUM PERSULFATE)

Class 4

Packing group Not applicable.

ERG Number 3L

IMDG

FINISHED GOODS

UN number UN3230

UN proper shipping name SELF-REACTIVE SOLID TYPE F (POTASSIUM PERSULFATE, AMMONIUM PERSULFATE),

Limited Quantity

Class 4.1

Not applicable. Packing group

Environmental Hazards

Marine pollutant No.

Transport hazard class(es)

Limited Quantity Label(s)

F-J, S-G **EmS** LTD QTY Net Inner Capacity 500 g

BULK

UN3230 **UN number**

UN proper shipping name

SELF-REACTIVE SOLID TYPE F (POTASSIUM PERSULFATE, AMMONIUM PERSULFATE)

Class

Packing group Not applicable.

Environmental hazards

Marine pollutant No. **EmS** F-J. S-G

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No (Exempt)

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

16. Other information, including date of preparation or last revision

07-12-2022 Issue date

Version # 01

Health: 3 NFPA ratings

Flammability: 0 Instability: 1

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 a 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.

Material name: REDKEN FLASH LIFT 9 LEVEL BONDER INSIDE BLEACH