SAFETY DATA SHEET

1. Identification

Product identifier **MATRIX LIGHT MASTER BONDER INSIDE**

Other means of identification

SDS number 41-23-0000011

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 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, respiratory	Category 1
	Sensitization, skin	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 skin irritation. 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.

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. Avoid breathing dust/fume/gas/mist/vapors/spray. 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/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.
Response	If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. 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. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store at temperatures not exceeding 25°C / 77°F. Store away from other materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
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	48.31
SODIUM SILICATE		1344-09-8	16.56
AMMONIUM PERSULFATE		7727-54-0	4.73
CITRIC ACID		5949-29-1	3.64
SODIUM METASILICATE		6834-92-0	2.37
MINERAL OIL		8042-47-5	1.55

*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. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical 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 spray. Foam. 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 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	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: 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	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not get this material in contact with eyes. Do not taste or swallow. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. 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	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	PEL	5 mg/m3	Mist.

US. ACGIH Threshold Limit Values

Components	Type	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	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

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. General ventilation normally adequate. Provide eyewash station and safety shower.

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. Use of an impervious apron is recommended.
Respiratory protection	Applicable for industrial settings only. Wear positive pressure self-contained breathing apparatus (SCBA). Chemical respirator with organic vapor cartridge.
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	
Physical state	Solid.
Form	Powder.
Color	Shaded
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	> 212.0 °F (> 100.0 °C) Closed Cup
Evaporation rate	Not available.
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.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The 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 skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. None expected

Information on toxicological effects

Acute toxicity	In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed.

Product	Species	Test Results
MATRIX LIGHT MASTER BONDER INSIDE		
Acute		
Dermal		
ATEmix		18650 mg/kg
Inhalation		
Dust		
ATEmix		51.47 mg/l
Oral		
ATEmix		1426 mg/kg

Components	Species	Test Results
AMMONIUM PERSULFATE (CAS 7727-54-0)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg bw OECD 402
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

Components	Species	Test Results
MINERAL OIL (CAS 8042-47-5)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg OECD 402
Inhalation		
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)		
Acute		
Dermal		
LD50	Rabbit	> 10000 mg/kg
Inhalation		
LC50	Rat	> 42.9 mg/l, 1 h
Oral		
LD50	Rat	1130 mg/kg OECD 401
SODIUM METASILICATE (CAS 6834-92-0)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg Based on test data for 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 1344-09-8)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg bw EPA OPPTS 870.1200
Inhalation		
LC50	Rat	> 2.06 mg/L air, 4.4 h EPA OPPTS 870.1300
Oral		
LD50	Rat	3400 mg/kg bw OECD 401

Skin corrosion/irritation Causes skin irritation.

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 Species: Rabbit
MINERAL OIL	OECD 404 Result: Not Irritating Species: Rabbit
CITRIC ACID	OECD 404 Result: Slightly Irritating Species: Rabbit
POTASSIUM PERSULFATE	Result: Irritating Species: Human

Serious eye damage/eye irritation Causes serious eye damage.

Irritation Corrosion - Eye

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
SODIUM SILICATE	Result: Corrosive Species: Rabbit
POTASSIUM PERSULFATE	Result: Irritating Species: Human

Respiratory or skin sensitization

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

AMMONIUM PERSULFATE	Result: Sensitizing Species: Human
POTASSIUM PERSULFATE	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
POTASSIUM PERSULFATE	OECD 429 Result: Sensitizing Species: Mouse

Skin sensitization

CITRIC ACID	OECD 406 Result: Not Sensitizing Species: Guinea pig
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

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

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	Result: In vitro tests did not show mutagenic effects
MINERAL OIL	Result: In vitro tests did not show mutagenic effects
POTASSIUM PERSULFATE	Result: In vitro tests did not show mutagenic effects

Carcinogenicity Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the classification is not possible.

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 toxicity Due to partial or complete lack of data the classification is not possible.

Developmental effects

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
MINERAL OIL	>= 2000 mg/kg bw/d OECD 415, No effects on fertility Result: NOAEL Species: Rat

Specific target organ toxicity - single exposure May cause respiratory irritation.

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

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

MINERAL OIL	> 2000 mg/kg bw/d OECD 411, Dermal Result: NOAEL Species: Rat Test Duration: 90 d
SODIUM METASILICATE	> 227 mg/kg bw/d OECD 408, Oral Result: NOAEL Species: Rat Test Duration: 90 d
MINERAL OIL	> 50 mg/m3 air OECD 412, Inhalation Result: NOAEC Species: Rat Test Duration: 28 d >= 1200 mg/kg bw/d OECD 453, Oral Result: NOAEL Species: Rat Test Duration: 2 years
AMMONIUM PERSULFATE	10.3 mg/m³, Inhalation Result: NOAEC Species: Rat Test Duration: 90 d

Specific target organ toxicity - repeated exposure

POTASSIUM PERSULFATE	131.5 mg/kg bw/d OECD 407 Result: NOAEL Species: Rat Test Duration: 28 d
SODIUM SILICATE	2400 mg/kg bw/d OECD 407 Result: NOAEL Species: Rat Test Duration: 28 d
CITRIC ACID	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 Due to partial or complete lack of data the classification is not possible.

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 PERSULFATE (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
Chronic			
Algae	NOEC	Desmodesmus subspicatus	32 mg/l, 72 h OECD 201
CITRIC ACID (CAS 5949-29-1)			
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 8042-47-5)			
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 METASILICATE (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

Components		Species	Test Results
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 (CAS 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

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

Percent degradation (Aerobic biodegradation-ready)

CITRIC ACID	97 % Result: Readily Biodegradable Test Duration: 28 d

Bioaccumulative potential

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 instructions Collect 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.

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)
Class 4.1
Packing group II
Transport hazard class(es)
Label(s) 4.1
Packaging exceptions None

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	4.1
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)
Class	4.1
Packing group	Not applicable.
Environmental Hazards	
Marine pollutant	No.
EmS	F-J, S-G
LTD QTY Net Inner Capacity	500.00 G

BULK

UN number	UN3230
UN proper shipping name	SELF-REACTIVE SOLID TYPE F (POTASSIUM PERSULFATE, AMMONIUM PERSULFATE)
Class	4.1
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	F-J, S-G

General information U.S. Department of Transportation - Approval CA2018070507

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)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No (Exempt)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
AMMONIUM PERSULFATE	7727-54-0	4.73

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 (SDWA) Not regulated.

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

Issue date 11-14-2019

Version # 01

NFPA ratings Health: 3
Flammability: 1
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.