



SAFETY DATA SHEET

Revised on 08/08/2015

Section 1: IDENTIFICATION

Product identifier:

Product name: Royal Flush
Others means of identification:
Product code: #104425
Recommended use: For industrial use only.

Distributor Information

Company name: Pioneer Brite, Inc.
Address: 1381 Heistan Place
Memphis, TN 38104
Telephone: 1-800-783-7320
E-mail: info@pioneerbrite.com
Website: www.pioneerbrite.com

Emergency telephone number

For emergencies in the U.S., call Infotrac at 1-800-535-5053
For emergencies outside U.S., call Infotrac Collect at 01-352-323-3500 (account #77500)

Section 2: HAZARD(S) IDENTIFICATION

Appearance: Red liquid **Physical State:** Liquid **Odor:** Acidic

Classification of the substance or mixture

In accordance with 29 CFR paragraph (d) of §1910.1200

Skin Corrosion/Irritation Category 1A
Serious Eye Damage/Irritation Category 1

Label elements:

Signal word: Danger



Hazard Statement: Causes severe skin burns and eye damage

Precautionary Statement

Prevention: Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection
Response: 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 or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a poison center or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth.
Do NOT induce vomiting.

Additional Hazards: None known.
Unknown Acute Toxicity: None known.

Section 3: COMPOSITION/INFORMATION OF INGREDIENTS

Mixtures

<u>Chemical name</u>	<u>CAS #</u>	<u>% by Weight</u>
Sulfuric acid	7664-93-9	60 – 93
Proprietary inhibitors	-	5 – 10

**If Chemical Name/CAS is “proprietary” and/or “% by Weight” is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

Section 4: FIRST AID MEASURES

Description of first aid measures

General Information: 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.

Eye Contact: 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 or doctor/physician.

Skin Contact: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician immediately. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage. Causes skin irritation.

Indication of immediate medical attention and special treatment needed

Treat symptomatically. Avoid gastric lavage.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical or carbon dioxide. Do not use water.

Unsuitable extinguishing media: Water.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire. Under certain fire conditions, traces of other toxic gases cannot be excluded.

Special protective equipment and advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion, do not breathe fumes.

Special hazards: Sulfur dioxide (SO₂)
Additional information: None known.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required.
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.
Keep in suitable, closed containers of disposal.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protective recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Store away from flammable substances, oxidizing agents, water and metals. Protect from humidity and water.

Incompatible materials: Flammable substances. Oxidizing agents. Water. Metals.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
Sulfuric acid 7664-93-9	TWA: 0.2 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³

Engineering Controls: Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Personal protection measures

General Protective and Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.

Eye/Face protection: Wear approved safety goggles where a splash hazard exists.

Skin protection: Wear suitable protective clothing.

Respiratory protection: Ensure adequate ventilation, especially in confined areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Red liquid
Color:	Red
Odor:	Acidic
Odor threshold:	Not determined
Physical state:	Liquid
pH:	< 1.0 (at 20°C/68°F)
Boiling point:	579°F (304°C)
Melting point:	Not determined
Specific gravity:	1.011
Flash point:	Not applicable
Evaporation rate:	Not determined
Flammability (with limits):	Not applicable
Vapor pressure:	< 0.6 mmHg at 100°F / < 0.03 mmHg at 77°F
Vapor density:	3.4
Relative density:	Not determined
Solubility:	Fully soluble
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	< 25 CPS @ 77°F (25°C)
Partition coefficient:	Not determined
VOC Content (%)	Not determined

Section 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	May produce violent reactions with bases and numerous organic substances including alcohol and amines. If in fire, carbon monoxide, carbon dioxide and hydrocarbons are byproducts. Strongly reducing. Diluting or dissolving in water always causes rapid heating. Reacts with base metals, forming hydrogen. Reacts with fats and oils.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Store away from oxidizing agents, alkaline solutions, metals, carbides and combustible organic materials.
Incompatible materials:	Oxidizing agents. Bleach. Chlorinated materials.
Hazardous decomposition products:	Sulfur dioxide (SO ₂). Sulfur oxides (SO _x). Corrosive gases/vapors.

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact:	Causes severe eye damage and irritation.
Skin contact:	Causes severe skin burns and irritation.

Ingestion: May be harmful if swallowed.
Inhalation: Avoid breathing vapors or mists.

Information on physical, chemical and toxicological effects

Symptoms: Please see Section 4 of this SDS for symptoms.

Carcinogenicity

This product is not expected to present a carcinogenic hazard.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not determined.
Persistence and degradability: This product is inorganic and is not eliminable from water by means of biological cleaning processes.
Bioaccumulative potential: This product does not accumulate in organisms.
Mobility in soil: Not Determined.
Other adverse effects: Not Determined.

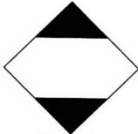
Section 13: DISPOSAL CONSIDERATIONS

Disposal instructions:
Disposal of Wastes: Dilute concentrate with water and neutralize afterwards with suitable alkali material (sodium hydroxide solution, lime). The formed neutral salts are relatively environment-friendly. Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging: Empty contaminated packagings thoroughly with water only. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORT INFORMATION

DOT

UN number: UN1830
UN proper shipping name: Corrosive liquid, N.O.S. (sulfuric acid), LTD QTY
Transport hazard class(es)



Class: 8
Packing group: II
Environmental hazards: None known
Limited Quantities: Packages < 30 kg (66 lbs) and inner packagings < 1 L (0.3 gal)
Reportable Quantities: 1000 lbs
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number: UN1760
UN proper shipping name: Corrosive liquid, N.O.S. (sulfuric acid)
Transport hazard class(es)



Class: 8
Packing group: II
Limited Quantities: 1L
Environmental hazards: None known
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Section 15: REGULATORY INFORMATION

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

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS – Japan Existing and New Chemical Substances
IECSC – China Inventory of Existing Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
PICCS – Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

- TSCA:** This material, as supplied, contains substances that are listed on the TSCA inventory.
- CERCLA:** This material, as supplied, contains 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).
- SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. The reportable quantity is 1000 lbs based on sulfuric acid content.
- SARA 311/312:** This material, as supplied, contains components that are listed as acute toxic substances in Section 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

US State Regulations

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

Section 16: OTHER INFORMATION

Issue date: 8-Aug-2015
Revision date: 8-Aug-2015
Revision Note: New format

NFPA ratings:	<u>Health Hazards</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Special Hazards</u>
	3	0	0	None
HMIS ratings:	<u>Health Hazards</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Personal Protection</u>

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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 process, unless specified in the text.

End of Safety Data Sheet