



Suite 450
One North Shore Center
12 Federal Street
Pittsburgh, PA 15212

Safety Data Sheet

KR-60KL

1. IDENTIFICATION

Product name KR-60KL
Description Sulfite solution
Product class Boiler Water
Supplier address Suite 450
One North Shore Center
12 Federal Street
Pittsburgh, PA 16212
Telephone numbers
Company Phone Number (412) 321-9800
Emergency Telephone CHEMTREC 800-424-9200

2. HAZARDS IDENTIFICATION

Hazard classification Respiratory Sensitization, Category 1
Signal word Danger
Hazard statements May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Pictograms of related hazards



Precautionary statements

Prevention

Avoid breathing fumes, mist, vapors, or spray.
In case of inadequate ventilation wear respiratory protection.

Response

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Contact a POISON CENTER or health care provider.

Storage

Store in a closed container.

Disposal

Dispose of in accordance with local, state, and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Potassium sulfite	10117-38-1	40-50
Non-hazardous substances	Proprietary	>50

4. FIRST-AID MEASURES

Eye contact	Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Remove contact lenses if present and easy to do, then resume rinsing. Get medical attention if symptoms occur.
Skin contact	Remove contaminated clothing and wash the affected area with soap and water. Wash contaminated clothing before reuse.
Ingestion	If swallowed, DO NOT induce vomiting. Rinse mouth and get emergency medical attention. Do not give anything by mouth unless instructed to do so by a poison center or health care provider.
Inhalation	If inhaled, move victim to fresh air. Seek emergency medical attention if breathing is difficult; perform artificial respiration if breathing stops.
Note to health care provider	Allergic reaction or asthma exacerbation may occur in sulfite-sensitive individuals.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing media appropriate for the surrounding fire.
Unsuitable extinguishing media	No information available
Protective equipment and precautions for firefighters	Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential. Use water to keep fire-exposed containers cool.
Specific hazards	Combustion may produce toxic gases.
Hazardous combustion products	Sulfur oxides, potassium oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate the area of all non-essential personnel. Do not touch spilled material without proper protective equipment. Ventilate the area and mitigate further release if it is safe to do so. Avoid contact with eyes.
Methods for clean-up	
<u>Small spills</u>	Contain spill and soak up with an inert absorbent material and place residues in a properly labeled container for disposal. Avoid discharge into sewer or surface water.

Large spills

Contain spill using trenches, diking, or absorption with an inert material (i.e. sand or earth). Reclaim spilled material into recovery or salvage drums or tank truck for proper disposal.

7. HANDLING AND STORAGE

Advice on safe handling Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash hands thoroughly after handling.

Storage conditions Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use.

Suitable materials of construction No information available

Unsuitable materials of construction No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/face protection Chemical splash goggles

Skin protection Chemical-resistant gloves and body-covering clothing

Respiratory protection NIOSH approved respirator in accordance with OSHA respiratory protection requirements (29 CFR 1910.134) if airborne concentrations exceed published exposure limits.

Engineering controls Adequate ventilation, eye-wash station, and emergency shower

General hygiene considerations Do not eat, drink, or smoke while handling this product.

Chemical Name	OSHA PEL	ACGIH TLV
Potassium sulfite	None established	None established
Non-hazardous substances	None established	None established

9. PHYSICAL AND CHEMICAL PROPERTIES

pH	9.5-10.5
Appearance	Clear colorless to pale yellow liquid
Odor	Mild to no odor
Odor Threshold	No information available
Melting/freezing point	-27°F (-32.8°C)
Initial boiling point/boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or	No information available

explosive limits	
Vapor pressure	No information available
Vapor density	No information available
VOC content	No information available
Specific gravity	1.440-1.520
Solubility	Complete
Partition coefficient n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of storage and handling.
Hazardous polymerization	Polymerization will not occur.
Conditions to avoid	Extreme temperatures, incompatibilities
Incompatibilities	Strong acids, oxidizers
Hazardous decomposition products	Reaction with acids may produce toxic sulfur dioxide gas.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure	Skin, eyes, ingestion
Acute symptoms and effects	
Eye	Eye irritation with or without pain, burning, itching, redness, and discharge.
Skin	Skin irritation with or without pain, burning, itching, redness, and swelling. Symptoms may be exacerbated by open wounds, excoriations, rashes, or other skin breaches.
Ingestion	Gastrointestinal distress with or without nausea, vomiting, and diarrhea. Ingestion may cause allergic reaction in sulfite-sensitive individuals.
Inhalation	Upper respiratory irritation with or without cough, watering of the eyes, and postnasal drip. Inhalation may induce or exacerbate symptoms of allergy or asthma in sulfite-sensitive individuals.
Reproductive effects	No information available
Teratogenicity	No information available
Mutagenicity	No information available
Embryotoxicity	No information available
Sensitization to product	Inhalation may invoke or exacerbate symptoms of asthma or other respiratory hypersensitivities in sulfite-sensitive

	individuals.
Synergistic products	No information available
Carcinogenicity	No components have been identified as carcinogenic by OSHA, NTP, or IARC.
Chronic	No information available

12. ECOLOGICAL INFORMATION

Product

Parameter	Result
96 hr LC ₅₀ , Pimephales promelas (Fathead minnow)	1,142 mg/L
48 hr LC ₅₀ , Ceriodaphnia Dubia	481.4 mg/L

Persistence	No information available
Bioaccumulative potential	No information available
Mobility	No information available

13. DISPOSAL CONSIDERATIONS

Disposal	Dispose of in accordance with federal, state, and local regulations.
RCRA status	Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

14. TRANSPORT INFORMATION

US Department of Transportation (DOT)

UN Number	
Proper shipping name	Not regulated
Primary hazard class/division	
Secondary hazard	
Packing group	
Label	

15. REGULATORY INFORMATION

OSHA Hazard Communication Status	Respiratory Sensitization, Category 1
EPA Registration Number	Not applicable
TSCA	The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA

EPA Hazardous Substances (40 CFR 302)

Chemical Name	Reportable Quantity (RQ)
Potassium sulfite	None
Non-hazardous substances	None

SARA Title III (Sections 302, 311, 312, and 313)

Section 302 Extremely Hazardous Substances (40 CFR 355)

Chemical Name	CAS#	RQ	TPQ
None			

Section 311 and 312 Health and Physical Hazards

Immediate	Delayed	Fire	Pressure	Reactivity
Yes	Yes	No	No	No

Section 313 Toxic Chemicals (40 CFR 372)

Chemical Name	CAS Number	Percent by Weight
None		

16. OTHER INFORMATION

HMIS Ratings	Health—2; Flammability—0; Reactivity—0
NFPA Ratings	Health—2; Flammability—0; Reactivity—0; Special Hazard—None
HMIS and NFPA Rating Scale	Minimal—0; Slight—1; Moderate—2; Serious—3; Severe—4
SDS Issue Date	April 2, 2015
Revision Date	October 11, 2016, Section 12

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