

MATERIAL SAFETY DATA SHEET

AS-9220

1. Material Identification

Manufacturer's Name	Producers Service Corporation
Manufacturer's Address	109 South Graham Street Zanesville, OH 43701
Manufacturer's Phone	(740) 454-6253
Product Name	AS-9220
Chemical Name	Scale inhibitor
Current Issue Date	September 16, 2011

2. Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%WT</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>Sec. 313</u>	<u>Carcinogen</u>
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This product does not contain regulated, hazardous components.

3. Health Hazards

Inhalation	Unlikely route of exposure with normal handling.
Ingestion	Immediate esophageal burns will be produced upon ingestion.
Skin	This product is acidic and may cause burns or irritation upon contact.
Eyes	Immediate irritation and acidic burns may be result from contact.
Unusual Chronic Toxicity	none

4. First Aid Measures

Eyes & Face	Immediately flush with large quantities of water. Seek medical attention.
Skin	Remove contaminated clothing and flush exposed skin with soap and water. If irritation develops seek medical attention. Launder contaminated clothing before reuse.
Inhalation	Move to fresh air. Aid in breathing if necessary and seek medical attention.
Ingestion	If swallowed DO NOT INDUCE VOMITTING. Get medical attention immediately

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5. Fire & Explosion Hazard

Flash Point	Not combustible
Unusual Fire Hazard	None known
Unusual Explosion Hazard	None known

6. Precautions & Procedures

Fire Extinguishing Agents	Not combustible
Fire Extinguishing Agents to Avoid	n/a
Special Fire Fighting	n/a
Ventilation	Keep open drums in well ventilated area.
Storage	Prevent freezing.
Leak & Spill Procedures	Neutralize with appropriate material and absorb onto sand or inert material. Flush neutralized residue to sanitary sewer.

7. Personal Protective Clothing

Respiratory Protection	Respirator not required with most applications.
Eyes & Face	Full chemical goggles.
Hands, Arms & Body	Neoprene gloves, apron, boots – as necessary to prevent skin contact.

8. Physical Data

Physical State	Liquid
Appearance and Odor	clear
Boiling Point	ND
Specific Gravity	1.06
Vapor Density	ND
Vapor Pressure	ND
Solubility in Water	Complete
pH	4.5 ± 0.5
Evaporation Rate	< 1 (water=1)

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9. Reactivity Data

Shelf Life	1 year
Incompatibility	Strong bases, basic materials. Acidic solutions will react with active metals liberating flammable hydrogen gas.
Hazardous Polymerization	none known

10. Environmental

Leak & Spill Procedures	Neutralize with soda ash and absorb onto sand or inert material. Flush neutralized residue to sanitary sewer.
Waste Disposal	Corrosive. Dispose of in accordance with all federal state and local regulations.
RCRA Status	40CFR261; yes.
Hazardous Waste #	D002

11. HMIS Ratings

	HMIS	<i>4=extreme,</i>
Health	2	<i>3=high</i>
Flammability	0	<i>2=moderate</i>
Reactivity	0	<i>1=slight</i>
		<i>0=insignificant</i>