SAFETY DATA SHEET

GuardShield

Prepared for workplace hazard communication under OSHA 29 CFR 1910.1200

SECTION 1: IDENTIFICATION

Product identifier	GuardShield
Product code	BP-BR-CI
Recommended use	Corrosion-inhibited liquid deicer/anti-icer for professional and industrial use.
Restrictions	Use only as directed. Not for food, drug, cosmetic, or household use.
Manufacturer/Distributor	AASBS Distribution Company LLC 11501 Annandale Road, Crowley, TX 76036 817-661-3166 info@allamericansalt.com
24-hour emergency	1-800-424-9300 (United States, 24 hours) - CHEMTREC CCN 1026675
CHEMTREC limitation	Use CHEMTREC for chemical emergencies involving spill, leak, fire, exposure, or accident. For routine product information call AASBS.

SECTION 2: HAZARD(S) IDENTIFICATION

OSHA/GHS classification	Not classified as hazardous under OSHA HCS 2012 based on supplied recipe concentration; irritating effects remain possible.
Signal word	None
Pictogram	None
Hazard statements	No GHS hazard statement required. May cause eye or skin irritation. Spilled liquid creates a slip hazard.
Prevention	Wash thoroughly after handling. Wear eye protection. For ArcticStrike: do not eat, drink, or smoke while using and avoid release to the environment.
Response	IF IN EYES: Rinse cautiously with water for several minutes; remove contacts if easy; continue rinsing. If irritation persists, get medical attention. IF SWALLOWED: Rinse mouth and call a poison center/doctor if unwell.
Storage/Disposal	Store away from incompatible materials. Dispose of contents/container according to applicable regulations.
Other hazards	All products may create extremely slippery surfaces when spilled.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS number	Finished mixture
Base-23 sodium chloride brine	Mixture	95%
M-605 L corrosion inhibitor	Proprietary mixture	5%
Bright Dyes FLT Blue Liquid	Mixture	<0.1%

Exact supplier-component identities and percentages may be withheld as trade secrets. Concentrations are derived from the supplied 200-gallon production recipe and supplier SDS ranges.

SECTION 4: FIRST-AID MEASURES

Inhalation	Move to fresh air. Obtain medical attention if symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Obtain medical attention if irritation develops or persists.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Call a poison center or physician if unwell or if a large amount was swallowed.
Most important symptoms/effects	Eye, skin, nose, or throat irritation may occur. Ingestion of large quantities of chloride salts may cause nausea, vomiting, or diarrhea.
Medical attention	Treat symptomatically. Show this SDS to attending medical personnel.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable media	Use extinguishing media appropriate for the surrounding fire. Product is water-based and noncombustible.
Specific hazards	Heating to decomposition may release hydrogen chloride/chloride gases and, where organic additives are present, oxides of carbon.
Firefighter protection	Wear full protective equipment and positive-pressure self-contained breathing apparatus when conditions warrant.
Other information	Solutions may make surfaces extremely slippery.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep unnecessary personnel away. Wear appropriate gloves and eye protection. Avoid mist. Use caution: spilled product is slippery.
Containment and cleanup	Stop leak if safe. Dike large spills. Recover by pumping or absorb with inert material and place in a suitable container. Small residues may be diluted and rinsed only where permitted.
Environmental precautions	Prevent uncontrolled discharge to drains, surface water, soil, and groundwater. Report releases as required by applicable law.

SECTION 7: HANDLING AND STORAGE

Handling	Avoid eye and prolonged skin contact. Avoid breathing spray mist. Wash thoroughly after handling. Do not eat, drink, or smoke while handling.
Storage	Keep container tightly closed in a cool, dry, well-ventilated area. Protect from freezing/crystallization. Store away from incompatible materials, acids, and strong oxidizers.
Container materials	Polyethylene, polypropylene, polyester, and compatible carbon steel are generally suitable. Evaluate compatibility before use; chloride solutions may attack aluminum, brass, and some light metals.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No finished-product occupational exposure limit established. OSHA nuisance particulate limits may apply if dried residue becomes airborne.
Engineering controls	General ventilation is normally adequate. Provide eyewash access. Use local exhaust where mist may be generated.
Eye/face	Safety glasses with side shields; chemical goggles where splashing is possible.
Hands/skin	Chemical-resistant gloves and work clothing. Rubber, nitrile, or neoprene gloves are recommended.
Respiratory	Normally not required. For significant mist or inadequate ventilation, use a properly selected NIOSH-approved respirator under a respiratory-protection program.
Hygiene	Wash hands after handling and before eating, drinking, or smoking. Launder contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Appearance	Blue/amber liquid
Odor	Odorless to mild/characteristic, depending on formulation
pH	Estimated 7-10
Specific gravity	Estimated 1.16-1.19
Freezing point	Not determined for finished mixture
Boiling point	Approximately 212-221 F (100-105 C); formulation dependent
Flash point	Not applicable / not determined; water-based product
Flammability	Not flammable
Solubility	Completely soluble or miscible in water
Vapor pressure/density	Not determined
Viscosity	Not determined
VOC	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No dangerous reaction expected under normal conditions of use.
Stability	Stable under recommended storage and handling conditions.
Hazardous reactions	Hazardous polymerization is not expected.
Conditions to avoid	Excessive heat; freezing or temperatures near the crystallization point; incompatible materials.
Incompatible materials	Strong oxidizing agents, concentrated acids, aluminum, brass, and some light metals.
Decomposition products	Thermal decomposition may produce hydrogen chloride, chloride gases, and oxides of carbon where organic components are present.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely exposure routes	Eyes, skin, ingestion, and inhalation of spray mist.
Acute effects	No GHS hazard statement required. May cause eye or skin irritation. Spilled liquid creates a slip hazard.
Skin	Prolonged or repeated contact may cause irritation or dryness.
Eyes	Contact may cause stinging, tearing, redness, and irritation.
Inhalation	Mist may irritate nose, throat, and respiratory passages.
Ingestion	Large quantities may cause nausea, vomiting, or diarrhea.
Chronic effects	No finished-product data available.
Carcinogenicity	No ingredient identified in the supplied SDS documents as a carcinogen by OSHA, NTP, or IARC.
Numerical toxicity	No finished-product LD50/ATE test data available. ArcticStrike acute oral classification is a conservative mixture estimate from supplier classifications.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Finished-product test data are not available. High chloride concentrations may adversely affect freshwater organisms and vegetation.
Persistence/degradability	Inorganic chloride salts do not biodegrade; organic components are expected to vary by supplier formulation.
Bioaccumulation	No finished-product data available; inorganic salts are not expected to bioaccumulate.
Mobility	Completely or highly soluble in water; expected to be mobile in soil.
Other adverse effects	Avoid excessive or uncontrolled application near sensitive waters and vegetation.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal	Recover and reuse when practical. Dispose of product, absorbents, and containers in accordance with federal, state, and local requirements. Do not discharge to storm drains or surface waters.
Container	Do not reuse empty packaging unless properly cleaned and approved for reuse.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT	Not regulated as a hazardous material based on supplied ingredient SDS information and intended formulation.
IMDG/IATA	Not regulated as dangerous goods based on supplied information.
Bulk transport	Verify classification against the actual shipment, package, concentration, and current carrier requirements before shipping.

SECTION 15: REGULATORY INFORMATION

OSHA HCS	Prepared in the 16-section format of 29 CFR 1910.1200. Classification is based on supplied ingredient SDS information and recipe concentrations.
SARA 302/313	No listed ingredients identified from the supplied SDS documents at reportable finished-product concentrations.
TSCA	Supplier SDS documents state applicable components are listed or otherwise compliant; confirm supplier status for each purchased lot.
State/local	Users are responsible for determining applicable state, local, wastewater, and environmental requirements.

SECTION 16: OTHER INFORMATION

Revision date	August 26, 2026
Version	1.0 - Initial AASBS issue
NFPA (recommended)	Health 1 | Flammability 0 | Instability 0
Primary sources	AASBS Master Recipe Sheet; supplier SDS documents for Independent Salt mined rock salt, Calcium Chloride Solution 32%, Magnesium Liquid 30, GEOMELT 55, M-605 L, Bright Dyes FLT Blue Liquid, and Turbo Melt Liquid (reference only where applicable).
Basis/limitations	This SDS was compiled from supplier SDS information and the supplied volumetric recipes. Estimated finished-product properties and mixture classifications have not been confirmed by laboratory testing. AASBS must verify actual raw-material specifications, density-based weight fractions, final pH/specific gravity, and regulatory classification before commercial issue.
Disclaimer	The information is believed accurate based on sources available on the revision date. It is provided for hazard communication and does not constitute a warranty. Users must determine suitability and comply with applicable law.