



Safety Data Sheet

Section 1: Identification

Product Identifier

Windshield Washer Fluid

Product Name

Trade Name: Fox-Chlor 5.25% Bleach

PN (Part number): 269027, 55 Gal.- 269056

Relevant identified uses of the substance or mixture and uses advised against

- Material for industrial applications
- Industrial and professional use
- Consumer end use

Details of the supplier of the safety data sheet

Manufacturer

SPLASH Products
51 E. Maryland Ave.
St. Paul, MN 55117
Phone: (651) 489-8211

Emergency telephone number

1-800-535-5053

Section 2: Hazard(s) Identification

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Skin Corrosion/Irritation, Irritant Category 2

Serious Eye Damage/Eye Irritation, Irreversible effects Category 1

Acute hazards to the aquatic environment, Category 2

GHS label elements

Hazard pictograms



Signal word-DANGER

Sodium Hypochlorite

Hazard statements

Causes skin irritation
Causes serious eye damage
Toxic to aquatic life

Precautionary statements

Prevention

Wash exposed skin thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
Take off contaminated clothing and wash before use
Store away from heat and ignition sources
Keep away from flammable materials, ammonia and strong acids

Response

IF SWALLOWED: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

IF ON SKIN (or hair): Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.

IF IN EYES: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Cold water may be used. Get medical attention immediately.

IF EXPOSED or CONCERNED:

Immediately call a POISON CENTER or a doctor/physician.

Storage

Store in a well-ventilated place.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

Product is stable.

Section 3: Composition/Information on Ingredients

Substance/mixture:Mixture

Chemical name: Sodium Hypochlorite

Other means of identification: Bleach

CAS number/other identifiers

Ingredient name	%	CAS number
Sodium Hypochlorite	5.25	7681-52-9

Section 4: First Aid Measurements

Description of necessary first aid measures

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Cold water may be used. Get medical attention immediately.

Inhalation: Bring accident victims out into the fresh air. Call a physician immediately in severe cases or if recovery is not rapid.

Skin contact: After contact with skin, wash immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Remove contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If victim is alert, rinse mouth and drink 1/2 to 1 glass of water to help dilute the material. Transport to nearest medical facility for additional treatment if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

Splashes cause serious eye damage.

Inhalation

May irritate throat and mucus membranes.

Skin contact

Irritation, itching, dermatitis.

Ingestion

May cause nausea.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically.

Specific treatments

N/A

Protection of first-aiders

N/A

See toxicological information (Section 11)

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media

SMALL FIRE: Use DRY chemical powder, CO₂ or appropriate foam.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Unsuitable extinguishing media

None known

Specific hazards arising from the chemical

Not flammable or combustible.

Hazardous thermal decomposition products/Products of combustion

Products of combustion are carbon oxides (CO, CO₂).

Special protective actions for fire fighters

Do not release runoff from fire control methods to sewers or waterways.

Special protective equipment for fire-fighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Environmental precautions

Methods and materials for containment and cleaning up:

Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7: Handling and Storage

Precautions for safe handling

Protective measures, advice on general occupational hygiene and conditions for safe storage, including any incompatibilities:

Avoid contact with skin and eyes. Wash hands thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas. Keep container tightly closed. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, clothing, and eye and face protection. Keep container tightly closed in a cool, well-ventilated place. Keep away from flammable materials and strong acids.

Do not store near acids. Keep out of reach of children. Store in suitable labeled containers. Keep away from foodstuffs. Store in a cool place and out of direct sunlight.

Section 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits			
Sodium Hypochlorite	<u>ACGIH</u>		<u>OSHA</u>	
	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
	0.5 ppm	1.0 ppm	0.5 ppm	1.0 ppm

Appropriate engineering controls and Environmental exposure controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Individual protection measures

Hygiene measures

Wash hands before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use.

Eye/face protection: Use chemical safety goggles.

Skin protection

Hand protection and Body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Other skin protection

Wash hands and other exposed areas with mild soap and water before eating or drinking.

Respiratory protection: No respiratory protection required under normal circumstances.

Respirator Type(s) (NIOSH Approved): If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full face piece particulate respirator (NIOSH type N100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, Glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full face piece

positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in Oxygen-deficient atmospheres.

Section 9: Physical and Chemical Properties

Appearance

Physical state: Slightly yellow liquid

Odor: Chlorine

Odor threshold: Not determined

pH: 11.5-12.5

Specific Gravity: 1.047

Melting point: No Data Available

Boiling point: 100°C

Flash point: Not Applicable

Evaporation rate (BuAc=1): Not Determined

Flammability (solid, gas): No

Lower and upper explosive (flammable) limits: Not Applicable

Vapor pressure: No Data Available

Vapor density (Air=1): No Data Available

Solubility: Soluble in water

Partition coefficient: n-octanol/water: Not Established

Auto-ignition temperature: Not Applicable

Decomposition temperature: Not Established

Viscosity: Not determined

VOC%: 0

Section 10: Stability and Reactivity

Reactivity

Stable under recommended storage conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Mixing this product with acid or ammonia releases chlorine gas.

Conditions to avoid

Exposure to air or moisture over prolonged periods; Excessive heat, exposure to light, reduced alkalinity, and contamination of any kind. Reduced alkalinity or contamination can result in evolution of chlorine (toxic) gas. Decrease in pH such as by mixing with other than water, and contamination with items mentioned below as incompatible can result in evolution of chlorine (toxic) gas.

Incompatible materials

Strong acids and bases; Oxidizing agents; Ether, ammonia compounds, hydrogen peroxide, all acids, alum, reducing agents, human or animal waste, oxidizable or combustible materials such as wood, cloth or organic materials, organic chemicals such as solvents and solvent based cleaning compounds, fuels and fuel oils, amines, methanol, propane, organic polymers, ethylene glycol, insecticides, heavy metals such as iron, copper, magnesium, aluminum, tin, steel, stainless steel, carbon steel, manganese, zinc, chromium, nickel, cobalt and their alloys, sodium sulfite, sodium bisulfite, sodium hydrosulfite, sodium thiosulfate. Do not mix this product with any of the foregoing or hazardous gases can result.

Hazardous decomposition products

Carbon oxides

Nitrogen oxides (NOx)

Sulfur oxides

Oxides of phosphorus

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Test	Results
Sodium Hypochlorite	Acute toxicity, oral (male rat)	LD50 > 8,200 mg/kg
	Acute toxicity, dermal (male rat)	LD50 = 10,000 mg/kg
	Acute toxicity, inhalation (male rat)	LC50 = 10,500 mg/kg

Summary Comments:

Sensitization

Product/ingredient name	Test	Results	Basis
Sodium Hypochlorite		No evidence of sensitization effect	

Summary Comments:

Carcinogenicity

Product/ingredient name	Test	Results	Basis
Sodium Hypochlorite		No known carcinogenic effects	

Summary Comments:

Specific target organ toxicity (single exposure)

Product/ingredient name	Test	Results	Basis
Sodium Hypochlorite	Not Classified		

Summary Comments:

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Test	Results	Basis
Sodium Hypochlorite	Not Classified		

Summary Comments:

Aspiration hazard

Product/ingredient name	Test	Results	Basis
Sodium Hypochlorite	Not Classified		

Summary Comments:

Information on the likely routes of exposure

Inhalation, Eye contact, Skin contact.

Potential acute health effects

Eye contact: Causes serious eye damage.

Inhalation: Health injuries are not known or expected under normal use.

Skin contact: Causes skin irritation.

Ingestion: Health injuries are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Redness, pain, irritation.

Inhalation: No symptoms known or expected.

Skin contact: Redness, irritation.

Ingestion: No symptoms known or expected.

Potential chronic health effects (Sodium Hypochlorite)

Carcinogenicity: No data available.

Mutagenicity: No data available.

Teratogenicity: No data available.

Developmental effects: No data available.

Fertility effects: No data available.

Section 12: Ecological Information

Toxicity

Acute Fish toxicity: (Sodium Hypochlorite)

LC50 - Oncorhynchus gorbuscha (Pink Salmon) – 0.023 mg/l - 96 h

Acute toxicity for daphnia: (Sodium Hypochlorite)

EC50 - Daphnia magna (Water flea) – 2.10 mg/l - 96 h

Acute toxicity for algae: (Sodium Hypochlorite)

EC50 - Chlorophyta (fresh water algae) – 0.84 mg/l - 24 h

Acute bacterial toxicity: (Sodium Hypochlorite)

No data available.

Ecotoxicology Assessment: (Sodium Hypochlorite)

Material is expected to be toxic to aquatic life.

Persistence and degradability

Biodegradability: (Sodium Hypochlorite)

Not applicable.

Stability in water: (Sodium Hypochlorite)

This material is believed not to persist in the environment.

Photodegradation: (Sodium Hypochlorite)

Decomposes in air and light to release chlorine gas, oxygen and sodium chloride solution (salt water).

Volatility (Henry's Law constant): (Sodium Hypochlorite)

Partition coefficient n-octanol/water ($\log K_{ow}$) = No Data Available

Bioaccumulative potential

Bioaccumulation: (Sodium Hypochlorite)

Bioaccumulation Cyprinus carpio (Carp) – Not Applicable

Bioconcentration factor (BCF): Not Applicable

This material is believed not to persist in the environment

Mobility in soil: (Sodium Hypochlorite)

Distribution among environmental compartments:

This material is not expected to bioconcentrate in organisms.

Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

Section 13: Disposal Considerations

Disposal methods

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

Section 14: Transport Information

UN Number: N/A

DOT Proper Shipping Name: Limited Quantity, Consumer Commodity, ORM-D

Exemptions: Per 49 CFR 173.154 (pg III, inner package not over 5.0 L)

Transport hazard Class(es): N/A

Packing Group: N/A

Land Transport ADR/RID and GGVs/GGVE (Cross Border / Domestic)

Transport Hazard Class(es): N/A

Maritime Transport IMDG/GGVSea

Transport Hazard Class(es): N/A

Marine Pollutant: No

Air Transport ICAO-TI and IATA-DGR

Transport Hazard Class(es): N/A

Section 15: Regulatory Information

Chemical Inventory Status-Part 1

Ingredient (CAS#)	TSCA	EC	Japan	Australia
Sodium Hypochlorite (7681-52-9)	Yes	Yes	Yes	Yes

Chemical Inventory Status-Part 2

Ingredient (CAS#)	Korea	Canada	Canada	Philippines
		DSL	NDSL	
Sodium Hypochlorite (7681-52-9)	Yes	Yes	No	Yes

Federal, State & International Regulations-Part 1

	SARA 302		SARA 313	
Ingredient (CAS#)	RQ	TPQ	List Chemical	Category
Sodium Hypochlorite (7681-52-9)	No	No	No	No

Federal, State & International Regulations-Part 2

	RCRA		TSCA
Ingredient (CAS#)	CERCLA	261.33	8(d)
Sodium Hypochlorite (7681-52-9)	100 lb.	No	No

Chemical Weapons Convention: No

TSCA 12b: No

CDTA: No

SARA 311/312:

Acute: Yes, Chronic: No, Fire: No, Pressure: No, Reactivity: No

Mixture/Liquid

Australian Hazchem Code: None allocated

Poison Schedule: S5

Section 16: Other Information

History

Date of issue: 04/14/15

Version: 1a

Revised Sections(s): New

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Notice to reader

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Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.