



Safety Data Sheet

Section 1: Identification

Product Identifier

Detergent

Product Name

Trade Name: +32°F SPLASH All-Season Windshield Washer Fluid

PN (Part number): 234193-35

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 Maryland Ave. E
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 not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

No Classification

GHS label elements

Hazard pictograms-No Pictograms

Signal word-No Signal Words

Hazard statements-No Hazard Statements

Precautionary statements

Prevention

- Wear protective gloves/protective clothing/eye protection/face protection.
- Take off contaminated clothing and wash before use
- Keep away from oxidizing materials 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 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 if irritation persists.

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: None

Other means of identification: No

CAS number/other identifiers

Ingredient name	%	CAS number
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No hazardous ingredients

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 if irritation persists.

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. Remove contaminated clothing and wash before reuse.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

May cause irritation to eyes

Inhalation

May irritate lungs

Skin contact

None

Ingestion

None

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

Notes to physician

None.

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

Closed containers exposed to heat may explode.

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:

Exposure to the spilled material may be severely irritating or toxic. 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. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

Section 7: Handling and Storage

Precautions for safe handling

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

Keep container tightly closed in a cool, well-ventilated place. Keep away from oxidizing materials and strong acids.

Section 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Windshield washer fluid	ACGIH OSHA

(TWA)

(STEL)

(TWA)

(STEL)

N/A

N/A

N/A

N/A

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

None

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: Blue liquid

Odor: None

Odor threshold: Not determined

pH: 8.0

Specific Gravity: 1.000

Melting point: Not determined

Boiling point: Not determined

Flash point: >93°C

Evaporation rate (BuAc=1): Not determined

Flammability (solid, gas): No

Lower and upper explosive (flammable) limits: N/A

Vapor pressure: Not determined

Vapor density (Air=1): Not determined

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

Will not occur.

Conditions to avoid

None

Incompatible materials

Strong acids

Strong bases

Strong oxidizing agents

Strong reducing agents

Hazardous decomposition products

Will not occur.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Test	Results
Windshield Washer Fluid	Acute toxicity, oral (male rat)	LD50 = 5,628 mg/kg (estimated)
	Acute toxicity, dermal	LD50 = 15,800 mg/kg (estimated)
	Acute toxicity, inhalation (rat)	LC50 = Not Determined

Summary Comments:

Sensitization

Product/ingredient name	Test	Results	Basis
Windshield Washer Fluid		No evidence of sensitization effect	

Summary Comments:

Carcinogenicity

Product/ingredient name	Test	Results	Basis
Windshield Washer Fluid		No known carcinogenic effects	

Summary Comments:

Specific target organ toxicity (single exposure)

Product/ingredient name	Test	Results	Basis
Windshield Washer Fluid	STOT-one-time exposure-oral	Not Determined	
	STOT-one-time exposure-dermal	Not Determined	
	STOT-one-time exposure-inhalation	Not Determined	

Summary Comments:

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Test	Results	Basis
Windshield Washer Fluid		Not Determined	

Summary Comments:

Aspiration hazard

Product/ingredient name	Test	Results	Basis
Windshield Washer Fluid	Human exposure studies		Not Determined

Summary Comments:

Information on the likely routes of exposure

None

Potential acute health effects

Eye contact: May be irritating to the eyes.

Inhalation: Not expected to be a hazard.

Skin contact: Not expected to be a hazard.

Ingestion: Not expected to be a hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Eye irritation.

Inhalation: None expected.

Skin contact: None expected.

Ingestion: None expected.

Potential chronic health effects (Windshield Washer Fluid)

Carcinogenicity: No known carcinogens.

Mutagenicity: No data available.

Teratogenicity: No data available.

Developmental effects: No data available.

Fertility effects: No data available.

Numerical measures of toxicity

Acute toxicity estimates

No data available

Section 12: Ecological Information

Toxicity

Acute Fish toxicity: (Windshield Washer Fluid)

LC50 - Oncorhynchus mykiss (rainbow trout) - No data available

LC50 – Lepomis macrochirus (Bluegill) - No data available

Acute toxicity for daphnia: (Windshield Washer Fluid)

EC50 - Daphnia magna (Water flea) - No data available

EC100 - Daphnia magna (Water flea) - No data available

Acute toxicity for algae: (Windshield Washer Fluid)

EC50 - Scenedesmus capricornutum (fresh water algae) - No data available

Acute bacterial toxicity: (Windshield Washer Fluid)

No data available.

Ecotoxicology Assessment: (Windshield Washer Fluid)

Material is not expected to be toxic to aquatic life.

Persistence and degradability

Biodegradability: (Windshield Washer Fluid)

Not expected to bioaccumulate.

Stability in water: (Windshield Washer Fluid)

When released into the soil, this material is expected to quickly evaporate.

Photodegradation: (Windshield Washer Fluid)

No data available

Volatility (Henry's Law constant): (Windshield Washer Fluid)

Partition coefficient n-octanol/water (log K_{ow}) = No data available

Bioaccumulative potential

Bioaccumulation: (Windshield Washer Fluid)

Bioaccumulation Cyprinus carpio (Carp) – No data available

Bioconcentration factor (BCF): No data available

Mobility in soil: (Windshield Washer Fluid)

Distribution among environmental compartments:

When released into the soil, this material is expected to quickly evaporate.

Other adverse effects:

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: Not Regulated

UN Proper Shipping Name:

Transport hazard Class(es):

Packing Group:

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

Transport Hazard Class(es): Not Regulated

Maritime Transport IMDG/GGVSea

Transport Hazard Class(es): Not Regulated

Marine Pollutant: No

Air Transport ICAO-TI and IATA-DGR

Transport Hazard Class(es): Not Regulated

Section 15: Regulatory Information

Chemical Inventory Status-Part 1

Ingredient (CAS#)	TSCA	EC	Japan	Australia
Windshield Washer Fluid	Yes	Yes	Yes	Yes

Chemical Inventory Status-Part 2

Ingredient (CAS#)	Korea	Canada	Canada	Philippines
Windshield Washer Fluid	Yes	Yes	No	Yes

Federal, State & International Regulations-Part 1

Ingredient (CAS#)	SARA 302		SARA 313	
	RQ	TPQ	List Chemical	Category
Windshield Washer Fluid	No	No	Yes	No

Federal, State & International Regulations-Part 2

Ingredient (CAS#)	RCRA		TSCA
	CERCLA	261.33	8(d)
Windshield Washer Fluid	No	No	No

Chemical Weapons Convention: No

TSCA 12b: No

CDTA: No

SARA 311/312:

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

Mixture/Liquid

Australian Hazchem Code: No information found

Poison Schedule: No information found

Section 16: Other Information

History

Date of issue: 05/13/15

Version: 1b.

Revised Sections(s): (1b) Elimination of methanol

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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.