



Safety Data Sheet

Section 1: Identification

Product Identifier

Detergent

Product Name

Trade Name: SPLASH De-Bug +32°F

PN (Part number): 129377

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

Classification of the substance or mixture

Not a hazardous substance or mixture

GHS label elements

Hazard pictograms-No Pictogram

Signal word-No Signal Word

Hazard statements-Not a hazardous substance or mixture

Precautionary statements

Prevention

Not a hazardous substance or mixture

Response

IF SWALLOWED: May cause irritation of the mucous membranes.

IF ON SKIN (or hair): Not expected to be irritating.

IF IN EYES: May be irritating.

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: Mixture

Other means of identification: No

CAS number/other identifiersHazardous Ingredients

Ingredient name	%	CAS number
C9-11 Alcohol Ethoxylate	<0.1	68439-46-3
Quaternary coco alkylamine ethoxylate	<0.1	61791-10-4

Section 4: First Aid MeasurementsDescription 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. Remove contaminated clothing and wash before reuse.

Ingestion: Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. 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.

Most important symptoms/effects, acute and delayed**Potential acute health effects****Eye contact**

Contact with eyes cause slight temporary irritation.

Inhalation

Not expected to be acute effects from inhalation.

Skin contact

Skin contact with the product is not likely to result in a significant irritation.

Ingestion

No information available.

Indication of immediate medical attention and special treatment needed, if necessary**Notes to physician**

No information available.

Specific treatments

Treat symptomatically.

Protection of first-aiders

N/A

See toxicological information (Section 11)

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available.

Specific hazards arising from the chemical

No data available

Hazardous thermal decomposition products/Products of combustion

Products of combustion are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂), halogenated compounds, hydrogen chloride.

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

Do not touch or walk through spilt material. 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:

Do not flush into surface water or sanitary sewer system. 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.

Section 7: Handling and Storage

Precautions for safe handling

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

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Store in a tightly closed containers in a cool, dry, well ventilated area away from sources of heat, moisture and incompatible substances. The suitable storage temperature is between 15-30°C temperatures. It is generally recommended that temperatures not exceeding 40°C.

No decomposition if stored and applied as directed.

Section 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits			
C9-11 Alcohol Ethoxylate	<u>ACGIH</u>			<u>OSHA</u>
	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
	N/A	N/A	N/A	N/A
Quaternary coco alkylamine ethoxylate	<u>ACGIH</u>			<u>OSHA</u>
	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
	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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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. Approved organic vapor chemical cartridge or supplied air respirators should be worn when significant vapors are generated. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 1910.134. Self-contained breathing apparatus should be used for firefighting.

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: Green liquid

Odor: None

Odor threshold: No Data Available

pH: ~7

Specific Gravity: 1.00

Melting point: 0°C

Boiling point: 100°C

Flash point: No Data Available

Evaporation rate (BuAc=1): No Data Available
Flammability (solid, gas): Not flammable
Lower and upper explosive (flammable) limits: No data available
Vapor pressure: No data available
Vapor density (Air=1): No data available
Solubility: Soluble in water
Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No Data Available
Viscosity: No Data Available
VOC%: <0.1

Section 10: Stability and Reactivity

Reactivity

Stable under recommended storage conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

None known.

Incompatible materials

None known.

Hazardous decomposition products

Halogenated compounds, hydrogen chloride.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Test	Results
C9-11 Alcohol Ethoxylate	Acute toxicity, oral (male rat)	LD50 = 5,000 mg/kg
	Acute toxicity, dermal	No skin irritation
	Eye irritation	Mild eye irritation
Quaternary coco alkylamine ethoxylate	Acute toxicity, oral (male rat)	LD50 = 2,000 mg/kg
	Acute toxicity, dermal	No skin irritation
	Eye irritation	Risk of serious damage to eyes

Summary Comments:

Sensitization

Product/ingredient name	Test	Results	Basis
C9-11 Alcohol Ethoxylate		No evidence of sensitization effect	
Quaternary coco alkylamine ethoxylate		No evidence of sensitization effect	

Summary Comments:

Carcinogenicity

Product/ingredient name	Test	Results	Basis
C9-11 Alcohol Ethoxylate		No known carcinogenic effects	
Quaternary coco alkylamine ethoxylate		No known carcinogenic effects	

Summary Comments:

Specific target organ toxicity (single exposure)

Product/ingredient name	Test	Results	Basis
C9-11 Alcohol Ethoxylate		No information available	
Quaternary coco alkylamine ethoxylate		No information available	

Summary Comments:

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Test	Results	Basis
C9-11 Alcohol Ethoxylate		No information available	
Quaternary coco alkylamine ethoxylate		No information available	

Summary Comments:

Aspiration hazard

Product/ingredient name	Test	Results	Basis
C9-11 Alcohol Ethoxylate		No information available	
Quaternary coco alkylamine ethoxylate		No information available	

Summary Comments:

Information on the likely routes of exposure

May cause eye irritation.

Potential chronic health effects

Carcinogenicity: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA or NTP.

Mutagenicity: No information available.

Teratogenicity: No information available

Developmental effects: No information available

Fertility effects: No data available.

Section 12: Ecological Information

Toxicity

Acute Fish toxicity: (C9-11 Alcohol ethoxylate)

LC50 - Oncorhynchus mykiss (rainbow trout) – >1-10 mg/L - 96 h

Acute Fish toxicity: (Quaternary coco alkylamine ethoxylate)

LC50 - Oncorhynchus mykiss (rainbow trout) – >10-100 mg/L - 96 h

Acute toxicity for daphnia: (C9-11 Alcohol ethoxylate)

EC50 - Daphnia magna (Water flea) – >1-10 mg/L - 48 h

Acute toxicity for daphnia: (Quaternary coco alkylamine ethoxylate)

EC50 - Daphnia magna (Water flea) – >10-100 mg/L - 48 h

Acute toxicity for algae: (C9-11 Alcohol ethoxylate)

EC50 - Skeletonema costatum (marine diatom) – >1-10 mg/L - 72 h

Acute toxicity for algae: (Quaternary coco alkylamine ethoxylate)

EC50 - Scenedesmus capricornutum (fresh water algae) - >1-10 mg/L - 72 h

Acute bacterial toxicity: (C9-11 Alcohol ethoxylate)

No data available.

Acute bacterial toxicity: (Quaternary coco alkylamine ethoxylate)

No data available.

Ecotoxicology Assessment: (C9-11 Alcohol ethoxylate)

Material is expected to be toxic to aquatic life.

Ecotoxicology Assessment: (Quaternary coco alkylamine ethoxylate)

Material is expected to be toxic to aquatic life.

Persistence and degradability

Biodegradability: (C9-11 Alcohol ethoxylate)

Readily biodegradable.

Persistence and degradability

Biodegradability: (Quaternary coco alkylamine ethoxylate)

Not readily biodegradable.

Stability in water: (C9-11 Alcohol ethoxylate)

No data available.

Stability in water: (Quaternary coco alkylamine ethoxylate)

No data available.

Photodegradation: (C9-11 Alcohol ethoxylate)

No data available

Photodegradation: (Quaternary coco alkylamine ethoxylate)

No data available

Volatility (Henry's Law constant): (C9-11 Alcohol ethoxylate)

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

Volatility (Henry's Law constant): (Quaternary coco alkylamine ethoxylate)

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

Bioaccumulative potential

Bioaccumulation: (C9-11 Alcohol ethoxylate)

Bioaccumulation is unlikely.

Bioaccumulative potential

Bioaccumulation: (Quaternary coco alkylamine ethoxylate)

Bioaccumulation is unlikely.

Mobility in soil: (C9-11 Alcohol ethoxylate)

Distribution among environmental compartments:

No data available.

Mobility in soil: (Quaternary coco alkylamine ethoxylate)

Distribution among environmental compartments:

No data available.

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: N/A

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

Exemptions: N/A

Transport hazard Class(es): N/A

Packing Group: N/A

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

Transport Hazard Class(es): Not Regulated

Maritime Transport IMDG/GGVSea

Transport Hazard Class(es): N/A

Marine Pollutant: Yes

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
Quaternary coco alkylamine ethoxylate (61791-10-4)	Yes	Yes	No	Yes

Chemical Inventory Status-Part 2

Ingredient (CAS#)	Korea	Canada	Canada	Philippines
		DSL	NDSL	
Quaternary coco alkylamine ethoxylate (61791-10-4)	Yes	Yes	No Information	Yes

Federal, State & International Regulations-Part 1

Ingredient (CAS#)	SARA 302		SARA 313	
	RQ	TPQ	List Chemical	Category
Quaternary coco alkylamine ethoxylate (61791-10-4)	No	No	No	No

Federal, State & International Regulations-Part 2

Ingredient (CAS#)	RCRA		TSCA
	CERCLA	261.33	8(d)
Quaternary coco alkylamine ethoxylate (61791-10-4)	No	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: None allocated

Section 16: Other Information

History

Date of issue: 06/17/16

Version: 3a

Revised Sections(s): Formula change

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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.