

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 1 of 12

Fly Away

SECTION 1: Identification

Product Identifier

Product Name: Fly Away

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Commercial Car Wash - Alkaline Bug Remover & Prep Spray

Uses Advised Against: Using on polished aluminum

Reasons Why Uses Advised Against: Will burn this finish

Manufacturer or Supplier Details

Manufacturer:

United States

Quest Car Care Products

3333 Production Ct.

Zeeland, Michigan 49464

616-772-5100

www.questcarcare.com

Emergency Telephone Number:

United States

CHEMTREC

1-800-424-9300 (24 hrs)

1-800-262-8200 (24 hrs)

1-703-527-3887 (24 hrs (international))

SECTION 2: Hazard(s) Identification

GHS Classification:

Acute toxicity (oral), category 4

Skin corrosion, category 1A

Serious eye damage, category 1

Label elements

Hazard Pictograms:



Signal Word: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H302 Harmful if swallowed

Precautionary Statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 2 of 12

Fly Away

P264 Wash hands/skin thoroughly after contact with or handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection
P270 Do not eat, drink or smoke when using this product
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P363 Wash contaminated clothing before reuse
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P310 Immediately call a POISON CENTER/911/PHYSICIAN IF: swallowed, eye contact, skin burns/rash or breathing difficulties.
P321 Specific treatment (see first aid procedures on the product label in section 4 of this SDS)
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 Rinse mouth
P405 Store locked up
P501 Dispose of contents/container in accordance with local, state and federal regulations.

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 7732-18-5	Water	70-90
CAS Number: 1310-58-3	Potassium hydroxide	5-10
CAS Number: 64-02-8	Tetrasodium ethylenediamine tetraacetate	1-5
CAS Number: 1310-73-2	Sodium hydroxide	1-5
CAS Number: 1643-20-5	Dodecyldimethylamine oxide	1-5

Additional Information:

Ingredients not listed above are being withheld as trade secret.

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

Show this Safety Data Sheet to the doctor in attendance.

After Inhalation:

If inhaled and you feel unwell or nauseas, discontinue use and get to fresh air and remain calm. If you still feel unwell or breathing is difficult get medical attention immediately and take their advice.

After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 3 of 12

Fly Away

Immediately rinse eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. If eye irritation develops or persists, seek medical advice/attention.

After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

Exposure to skin may result in redness, pain, burning, inflammation and tissue damage. Exposure to eyes may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision. Exposure via inhalation may result in cough, sore throat, burning sensation and shortness of breath. Exposure via ingestion may result in burns of the mouth and throat, abdominal pain, burning sensation in the throat and chest, nausea, vomiting, shock or collapse.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision.

Delayed Symptoms and Effects:

Effects are dependent on exposure (dose, concentration, contact time).

Immediate Medical Attention and Special Treatment

Specific Treatment:

In case of ingestion, seek prompt medical attention.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 4 of 12

Fly Away

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do not get in eyes. Avoid contact with skin and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Potassium hydroxide	1310-58-3	Ceiling Limit: 2 mg/m ³
	Sodium hydroxide	1310-73-2	Ceiling Limit: 2 mg/m ³
NIOSH	Potassium hydroxide	1310-58-3	Ceiling Limit: 2 mg/m ³
	Sodium hydroxide	1310-73-2	IDLH: 10 mg/m ³
	Sodium hydroxide	1310-73-2	Ceiling Limit: 2 mg/m ³
United States(California)	Potassium hydroxide	1310-58-3	Ceiling Limit: 2 mg/m ³
	Sodium hydroxide	1310-73-2	Ceiling Limit: 2 mg/m ³
OSHA	Sodium hydroxide	1310-73-2	8-Hour TWA-PEL: 2 mg/m ³

Biological Limit Values:

No biological exposure limits noted for the ingredient(s).

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal Protection Equipment

Eye and Face Protection:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 5 of 12

Fly Away

Use safety glasses with side shields or goggles. Consider the use of a face shield for splash protection. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Neon Green Liquid
Odor	Slight citrus, amine
Odor threshold	Not determined or not available.
pH	>13
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	None
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	1.04-1.09
Solubilities	Water
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 6 of 12

Fly Away

SECTION 10: Stability and Reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical Stability:

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Avoid generation of aerosols and mists, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:

None known.

Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

Acute Toxicity

Assessment:

Harmful if swallowed.

Product Data: No data available.

Substance Data:

Name	Route	Result
Potassium hydroxide	oral	LD50 Rat: 333 mg/kg
Sodium hydroxide	Oral ATE	LD50 Rat: 325 mg/kg
	dermal	LD50 Rabbit: 1350 mg/kg
Tetrasodium ethylenediamine tetraacetate	oral	LD50 Rat: 1780 mg/kg
	Inhalation ATE	LC50 Rat: 1.5 mg/L (4 hr [dust/mist])
Dodecyldimethylamine oxide	oral	LD50 Rat: 1064 mg/kg
	dermal	LD50 Rat: > 2000 mg/kg

Skin Corrosion/Irritation

Assessment:

Causes severe skin burns and eye damage.

Product Data:

No data available.

Substance Data:

Name	Result
Potassium hydroxide	Causes severe skin burns.
Sodium hydroxide	Causes severe skin burns.
Dodecyldimethylamine oxide	Causes skin irritation.

Serious Eye Damage/Irritation

Assessment:

Causes serious eye damage.

Product Data:

No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 7 of 12

Fly Away

Substance Data:

Name	Result
Potassium hydroxide	Causes serious eye damage.
Sodium hydroxide	Causes serious eye damage.
Tetrasodium ethylenediamine tetraacetate	Causes serious eye damage.
Dodecyldimethylamine oxide	Causes serious eye damage.

Respiratory or Skin Sensitization

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Potassium hydroxide	Not Applicable
Sodium hydroxide	Not Applicable
Tetrasodium ethylenediamine tetraacetate	Not Applicable
Water	Not Applicable
Dodecyldimethylamine oxide	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Potassium hydroxide	Not Applicable
Sodium hydroxide	Not Applicable
Tetrasodium ethylenediamine tetraacetate	Not Applicable
Water	Not Applicable
Dodecyldimethylamine oxide	Not Applicable

OSHA Carcinogens: Not applicable

Germ Cell Mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Reproductive Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Specific Target Organ Toxicity (Single Exposure)

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 8 of 12

Fly Away

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Specific Target Organ Toxicity (Repeated Exposure)

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
Tetrasodium ethylenediamine tetraacetate	May cause damage to respiratory tract through prolonged or repeated inhalation exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Information on Likely Routes of Exposure:

No data available.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

Other Information:

No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Sodium hydroxide	Aquatic Invertebrates EC50 Ceriodaphnia sp.: 40.4 mg/L (48 hr [immobilization])
	Fish LC50 Fish: 35 - 189 mg/L (96 hr)
Tetrasodium ethylenediamine tetraacetate	Fish LC50 Oncorhynchus mykiss: >100 mg/L (96 hr [Read-across substance data])
	Aquatic Invertebrates EC50 Daphnia magna: >114 mg/L (48 hr [mobility, Read-across substance data])
	Aquatic Plants EC50 Raphidocelis subcapitata: >60 mg/L (72 hr [growth rate, Read-across substance data])
Dodecyl dimethylamine oxide	Aquatic Plants EC50 Pseudokirchneriella subcapitata: 0.07 mg/L (72 hr)

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 9 of 12

Fly Away

Name	Result
Tetrasodium ethylenediamine tetraacetate	Fish NOEC Danio rerio: ≥ 35.1 mg/L (35 d [survival, swim up & hatch time, toxic signs & abnormalities, body weight & length, Read-across substance data])
	Aquatic Invertebrates NOEC Daphnia magna: 25 mg/L (21 d [reproduction, Read-across substance data])
Dodecyldimethylamine oxide	Aquatic Invertebrates NOEC Daphnia magna: 0.7 mg/L (21 d)
	Fish NOEC Pimephales promelas: 0.495 mg/L (15 d)

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Potassium hydroxide	The study on degradability does not need to be conducted as the substance is inorganic.
Sodium hydroxide	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.
Dodecyldimethylamine oxide	Readily biodegradable in water (95% degradation [CO ₂ evolution] in 28 days).
Tetrasodium ethylenediamine tetraacetate	The substance is not readily biodegradable. 2% degradation in water, measured by O ₂ consumption, after 28 days(Read-across substance data).

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
Potassium hydroxide	Not expected to bioaccumulate, as it completely dissociates in water.
Sodium hydroxide	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.
Dodecyldimethylamine oxide	Substance has low potential for bioaccumulation (log <i>K</i> _{ow} : <3; estimated BCF: 0.7).
Tetrasodium ethylenediamine tetraacetate	The substance is not expected to bioaccumulate (BCF: 1.8 L/kg, basis : whole body w.w.- aquatic species).

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
Potassium hydroxide	Low potential for adsorption. If emitted to surface water, sorption to sediment will be negligible.
Sodium hydroxide	Mobility in soil assessment based on KOC/K _d values are not relevant for inorganic compounds such as this substance.
Dodecyldimethylamine oxide	Substance is expected to be slightly mobile (log <i>K</i> _{oc} : 3.18).
Tetrasodium ethylenediamine tetraacetate	The substance is moderately mobile, therefore, there is moderate potential for adsorption to soil and sediment (<i>K</i> _{oc} : 312.7 dimensionless at 25 °C, QSAR substance data).

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 10 of 12

Fly Away

Substance Data:

PBT assessment:

Potassium hydroxide	The substance is not PBT.
Sodium hydroxide	PBT assessment does not apply to inorganic compounds such as this substance.
Tetrasodium ethylenediamine tetraacetate	The substance is not PBT.
Dodecyldimethylamine oxide	The substance is not PBT.

vPvB assessment:

Potassium hydroxide	The substance is not vPvB.
Sodium hydroxide	vPvB assessment does not apply to inorganic compounds such as this substance.
Tetrasodium ethylenediamine tetraacetate	The substance is not vPvB.
Dodecyldimethylamine oxide	The substance is not vPvB.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:


Dispose of in accordance with state and federal regulations. Small amounts of neat solution can be flushed with copious amounts of water to a sanitary sewer system.

Contaminated packages:


Contact the manufacturer for advice. Wear appropriate personal protective equipment before attempting to handle.

SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	1760
UN Proper Shipping Name	Corrosive liquids, N.O.S. (Potassium Hydroxide, Sodium Hydroxide)
UN Transport Hazard Class(es)	8 
Packing Group	II
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

UN Number	1760
UN Proper Shipping Name	Corrosive liquids, N.O.S. (Potassium Hydroxide, Sodium Hydroxide)
UN Transport Hazard Class(es)	8 
Packing Group	II
Environmental Hazards	None
Special Precautions for User	None

Safety Data Sheet


According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 11 of 12

Fly Away

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	1760
UN Proper Shipping Name	Corrosive liquid, N.O.S. (Potassium Hydroxide, Sodium Hydroxide)
UN Transport Hazard Class(es)	8 
Packing Group	II
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA): All ingredients are listed-active or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export Notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 Extremely Hazardous Substances: None of the ingredients are listed.

SARA Section 313 Toxic Chemicals: None of the ingredients are listed.

CERCLA:

1310-58-3	Potassium hydroxide	Listed	1000 lb
1310-73-2	Sodium hydroxide	Listed	1000 lb

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

1310-58-3	Potassium hydroxide	Listed
1310-73-2	Sodium hydroxide	Listed

New Jersey Right to Know:

1310-58-3	Potassium hydroxide	Listed
1310-73-2	Sodium hydroxide	Listed

New York Right to Know:

1310-58-3	Potassium hydroxide	Listed
1310-73-2	Sodium hydroxide	Listed

Pennsylvania Right to Know:

1310-58-3	Potassium hydroxide	Listed
1310-73-2	Sodium hydroxide	Listed

California Proposition 65: None of the ingredients are listed.

Additional information: Not determined.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 11.02.2023

Page 12 of 12

Fly Away

designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-0-0

HMIS: 3-0-0-X

Initial Preparation Date: 11.02.2023

End of Safety Data Sheet