SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Name: Spray and Rinse

Recommended Use(s): Vehicle wheel cleaner

Non-Recommended / Restricted Use(s): None

Distributor

Poorboy's World UK
Bretfield Court
Dewsbury, WF12 9BG
United Kingdom

Emergency Contact:

General: 01924 469920 UK Sales
General: +44 (0) 1924 469920 Overseas
Emergency: 1-352-323-3500 International Emergency Hotline

Section 2. Hazard Identification

GHS Classification for mixture:

Serious eye damage/eye irritation - Category 1
Skin corrosion/irritation - Category 1
Acute Toxicity Oral - Category 4

Pictograms:

Signal Word:
DANGER

Hazard Statements:

H302 Harmful if swallowed.
H315 Causes skin irritation.
H314 Causes severe skin burns and eye damage.
H290 May be corrosive to metals.

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Precautionary Statements:

Prevention

P234: Keep only in original container.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash skin thouroughly after handling.
P270: Do not eat, drink or smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P310: Immediately call a POISON CENTER or doctor/physician.
P304 + P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P301+P330+ P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+P312: IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
P302+P352: IF ON SKIN: wash with plenty of soap and water
P332+P313: IF SKIN irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313P: IF eye irritation persists: Get medical advice/attention.
P390: Absorb spillage to prevent material damage.

Storage

P403: Store in a well-ventilated place.
P405: Store locked up.
P406: Store in corrosive resistant container with a resistant inner liner.

Disposal

P501: Dispose of contents/container to an approved waste disposal plant.

Section 3. Composition / Information on Ingredients

Identifiers	Ingredients	Percentage	Classification
1341-49-7	Ammonium bifluoride	5% to 10%	Acute oral3, Skin corr1, Eye corr1,
61791-26-2	Polyethoxylated tallow amine	1% to 5%	Skin irrit2 , Eye irrit2A, Oral4, Inhalation4, Env acute2, Env chronic2
68604-71-7	Disodium cocoamphodipropionate	1% to 5%	Oral4, Eye corr1, Env acute1, Env chronic 1
34590-94-8	DPM	1% to 5%	Flam 4 , Eye irrit2
61790-85-0	Amines, N-tallowalkyltrimet-hylenediamines, ethoxylated	1% to 5%	Oral 4, Eye irrit2, Skin irrit2, STOT se 3 resp
127087-87-0	Nonylphenol polyethylene glycol ether	1% to 5%	Acute Tox, Oral4; Inhalation4 Eye corr1, Skin irrit2, Env Acute2, Env chronic2

Section 4. First-Aid Measures

First-Aid: Eyes

Immediately flush with clean, low-pressure water for several minutes. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Continue rinsing. Immediately seek medical attention.

First-Aid: Skin

Take all contaminated clothing off immediately and wash it before reuse. Wash contaminated areas thoroughly with soft nonabrasive soap and cold water. If redness or other symptoms occur, seek medical advice / attention.

First-Aid: Ingestion

DO NOT INDUCE VOMITING. If the exposed person is drowsy or unconscious, do not give anything by mouth. In case of ingestion of large quantities immediately take the exposed person to hospital. If after ingestion you feel unwell, seek medical advice. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

First-Aid: Inhalation

If after inhalation you feel unwell, seek medical advice. If redness or other symptoms persist, seek medical advice / attention.

First-Aid: Other

Remove from exposure.

General advice: Never give anything by mouth to an unconscious person. Only induce vomiting at the instruction of a physician. In all cases if in doubt or when symptoms persist, seek medical advice. Provide this SDS to medical personnel for treatment.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media

The suggested appropriate media: Alcohol-resistant foam. Carbon dioxide. Powder BC. Water spray.

Unsuitable Extinguishing Media

Inappropriate media: Straight streams of water.

Protective Measures for Fire-Fighting

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

Special Protective Actions for Fire-Fighters

Avoid being exposed to gas / mist / dust / fume / vapor /spray / particles. Avoid direct contact with the substance (solid / liquid / vapor). Do not allow run-off from fire fighting to enter drains or water courses. Move containers from the fire area if it is possible to do so without risk to personnel. Use water sprayer to cool the container that fire has spread to and the location affected by fire until fire is completely extinguished.

Combustion Products

Carbon dioxide (CO_2). Carbon monoxide (CO). Oxides of nitrogen (NO_x).

Specific Hazards Arising from Combustion of Products

Fire / decomposition hazards: Gas, vapors, or dust are harmful. Vapors or dust are corrosive to skin and eye.

Other Information for Fire Fighters

Flammability: Flammable liquid and vapor. May be ignited by sparks.

Small fires: Small fires can be extinguished with portable extinguishers.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid being exposed to gas / mist / dust / fume / vapor /spray / particles. Eliminate all sources of heat and ignition. Evacuate the people from the area. Ventilate area of leak or spill. Wear appropriate chemical resistant gloves. Wear face protection. Wear protective goggles to prevent contact with eyes. Wear self-contained breathing apparatus or airline.

Environmental Precautions

Dispose off via a licensed waste disposal contractor. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Prevent contamination of soil and surface water.

Clean-up Procedures

Absorbe with cloth, fleece, sawdust, kieselgur, sand or other universal binder. Ensure cleanup is conducted by trained personnel only. Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. If possible, the spilled liquid should be transferred to a waste container. Residual liquid should be absorbed and placed in separate container.

Large spills: Evacuate the area. If possible, dike the area to prevent spreading.

Section 7. Handling and Storage

Precautions for Safe Handling

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Avoid direct contact with the substance (solid / liquid / vapor). Do not eat, drink or smoke during handling. Do not handle until all safety precautions have been read and understood. Ensure there is sufficient ventilation of the area. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. No smoking or open flame in storage, use, or handling areas. Report immediately if physical damage, leakage, or spillage occurs. Take action to prevent static discharges. Wash any exposed area of body thoroughly after handling.

Conditions for Safe Storage

Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. If needed, only use non-sparking tools in the storage area. Keep container closed when not in use. Respect the occupational health and safety standards. Store in accordance with all current regulations and standards.

Keep away from: Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

Suitable Packaging

No particular packaging specified.

Incompatible Materials

Not specified.

Section 8. Exposure Controls / Personal Protection

Control Parameters / Limits for Component

DNEL/DMEL Consumer Oral Chronic:
12.95 mg/kg (24 h), Systemic effects.

DPM

OSHA PEL	TWA 100 ppm. TWA 600 mg/m^3.

Ammonium bifluoride

DNEL/DMEL Consumer Dermal Chronic	1295 mg/kg (24 h), Systemic effects.

Engineering Measures

Provide adequate general and local exhaust ventilation. Respect the occupational health and safety standards. Safety showers and eye wash stations are recommended in the immediate vicinity of any potential exposure.

Respiratory Protection

Not obliged if the below the occupational health thresholds.

Eye/Face Protection

Wear chemical goggles or face shield.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Wear appropriate chemical resistant gloves. Preventative skin protection (barrier creams / ointments) is recommended.

Hygiene Measures

Keep away from food or drink. Use in accordance with good hygiene and safety practice. Wash Hands thoroughly after handling.

Section 9. Physical and Chemical Properties

Basic physical and chemical properties Information

Physical State	liquid
Appearance	Brown
Odor	Citrus Fragrance
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	100°C / 212°F
Flash Point	62°C / 143.6°F
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl	Not available
acetate Flammability	Not available
Flammability limit	Not available
Vapor pressure	3169 Pa at 25°C
Vapor density	Not available
Relative density w/r/t water	Not available
Relative density w/r/t air	Not available
Relative density w/r/t other substance	Not available
Solubility	Miscible In any proportion
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Greater than 150°C / 302°F
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Density	1.025 g/ml
Explosion limit (lower)	1.1 %vol
Explosion limit (upper)	14 %vol

Section 10. Chemical Stability & Reactivity Information

Stability/Reactivity

Reactivity: The product is known to be non-reactive in ambient conditions.

Chemical stability: This product is stable under ambient condition.

Possibility of Hazardous Reactions

Dangerous reactions are not expected if the technical instructions in storage of chemicals are met. Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid

Keep away from: Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity. Strong shocks.

Materials to Avoid

No incompatibilities declared.

Hazardous Products of Decomposition

No decomposition hazardous products are specified.

Section 11. Toxicological Information

Toxicological Information for Product

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

Acute toxicity (Oral): This product is classified as acute toxicity category 4 (Oral).

Toxicological Information for Component

Ammonium bifluoride

ATE (Oral)	130.

Polyethoxylated tallow amine

ATE (Dermal)	>1260.
ATE (Oral)	1437.

Irritation/Corrosion Information for Product

Skin: Causes skin irritation.

Eyes: Causes serious eye irritation.

Section 12. Ecological Information

Ecotoxicity Values for Component

Polyethoxylated tallow amine

LC 50 Fish: 0.19(96h).
EC 50 Algae: 0.008 mg/l(48h).

DPM

Bioaccumulative potential: Log KOW 0.0061.
Biodegradability: oxygen depletion, 75%, 10 days. carbon dioxide generation, 76%, 28 days. DOC removal 96%, 28 days.
ErC50 Algae: >969(72h).
LC 50 Fish: >150 mg/l(72h).

Ammonium bifluoride

LC 50 Fish: 421.4 mg/l(96h).

Disodium cocoamphodipropionate

EC 50 aquatic invertebrates: 0.47 mg/l(48h).

Section 13. Disposal Considerations

Waste Disposal Regulation(s) / Operation

Waste treatment-relevant information: Solvent reclamation/regeneration. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Whenever possible, reuse containers. To do this, rinse container with water and reuse water for another iteration or treat effluent as product residue as indicated in above.

Section 14. Transportation Information

UN Number	3265.
UN Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s.
Hazard Class	8.
Packing Group	III.
DOT Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s.

Section 15. Regulatory Information

Safety, Health and Environmental Regulations for Component

Ammonium bifluoride

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.
	Right to know: Corrosive.

Polyethoxylated tallow amine

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

Disodium cocoamphodipropionate

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

DPM

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.
	Right to know: Flammable- Second Degree.

Amines, N-tallowalkyltrimet-hylenediamines, ethoxylated

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.

US:	TSCA (Toxic Substances Control Act): listed. SARA 311-312 Hazard Classification(s): immediate (acute) health hazard.

Nonylphenol polyethylene glycol ether

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Domestic Substances List (DSL): listed.
US:	TSCA (Toxic Substances Control Act): listed.

Section 16. Other Information

Other Information

Classification procedure: Physical and chemical properties: The classification is based on tests. Health hazards / Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Glossary

ACGIH:	American Conference of Governmental Industrial Hygienists.
Acute tox:	Acute toxicity.
ADR:	Accord europeen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
CAS:	Chemical Abstracts Service (Service that maintains the most comprehensive list of chemical substances).
CEPA:	Canadian Environmental Protection Act.
CERCLA:	Comprehensive Environmental Response, Compensation, and Liability Act.
CLP:	Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
DMEL:	Derived Minimal Effect Level.
DNEL:	Derived No-Effect Level.
DOT:	Department of Transportation USA.
DSL:	Canadian Domestic Substances List.
EC50:	Effective concentration of a substance that causes 50% of the maximum response
ErC50:	ErC50 means EC50 in terms of reduction of growth rate after exposure.

Eye dam:	Damaging to eyes.
Eye irrit:	Irritant to the eye.
Flam liq:	Flammable liquid.
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
IARC monographs:	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans.
IATA/DGR:	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO:	International Civil Aviation Organization.
LD50:	The dose required to produce the death in 50 percent of the exposed species within a specified time.
Log KOW:	n-octanol/water.
MARPOL:	International Convention for the Prevention of Pollution from Ships (abbr. of Marine Pollutant).
Met corr:	Corrosive to metals
N/A:	Not available.
N/D:	Not determined.
NDSL:	Canadian Non-Domestic Substances List.
NIOSH:	National Institute for Occupational Safety and Health.
NOAEL:	No-observed-adverse-effect-level.
OSHA:	Occupational Safety and Health Administration (United States).
PBT:	Persistent, Bioaccumulative and Toxic.
PEL:	Permissible exposure limit. An exposure limit that is published and enforced by OSHA as a legal standard.
PNEC:	Predicted No-Effect Concentration.
ppm:	Parts per million.
REL:	Recommended exposure limit.
RTECS:	Registry of Toxic Effects of Chemical Substances.
SARA:	Superfund Amendments and Reauthorization Act.
Skin . corr:	Corrosive to Skin.
Skin irrit:	Irritant to Skin.
TSCA:	Toxic Substances Control Act.
TWA:	Time-weighted average.
UN:	United Nations.
vPvB:	Very Persistent and Very Bioaccumulative.
WHIMIS:	Workplace Hazardous Materials Information System.