SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Name:	All Purpose Cleaner
Recommended Use)s:	Cleaner/degreaser
None-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
Corrosive to metals - Category 1

Pictograms:

Signal Words:

WARNING

Hazard Statements:

H302: Harmful if swallowed
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H290: May be corrosive to metals.

Precautionary Statements:

Prevention

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P270: Do not eat, drink or smoke when using this product
P264: Wash skin thoroughly after handling.

Response

P301+P312: IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.

P330: Rinse mouth.

P302+P352: IF ON SKIN: wash with plenty of soap and water.

P362: Take off contaminated clothing and wash before reuse.

P332+P313: IF SKIN irritation occurs: Get medical advice/attention.

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

P234: Keep only in original container.

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
7758-29-4	Sodium tripolyphosphate	5% to 10%	Skin 2, Eye 2, STOT se resp 3
1310-58-3	Potassium hydroxide	1% to 5%	Corr 1
111-76-2	Ethylene glycol monobutyl ether	1% to 5%	Acute oral4, Acute inhalation4, Acute dermal4, Skin irrit2, Eye irrit2,
127087-87-0	Nonylphenol polyethylene glycol ether	1% to 5%	Acute Tox, Oral4; Inhalation4 Eye dam1; Skin Irrit2; Env Acute2; Env Chronic2
6834-92-0	Disodium Metasilicate	1% to 5%	Skin 1B, STOT SE 3 Resp

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. 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.

First-Aid: Ingestion

Rinse the mouth with water. DO NOT INDUCE VOMITING.

First-Aid: Inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing.

First-Aid: Other

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

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media

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

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 direct contact with the substance (solid / liquid / vapor). Dike area to prevent runoff and contamination of water sources. 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.

Combustion Products

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

Specific Hazards Arising from Combustion of Products

Fire / decomposition hazards: A mixture of flammable gases and vapors. Corrosive gases. Gas, vapors, or dust are harmful. Gas, vapors, or dust can spread along the ground and collect in low or confined areas. Vapor may travel considerable distance to source of ignition and flash back.

Other Information for Fire Fighters

Flammability: Mixtures of vapor and air are explosive when exposed to heat or flame.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Evacuate the people from the area. Avoid being exposed to gas / mist / dust / fume / vapor /spray / particles. Eliminate all sources of heat and ignition. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate spill area. Wear appropriate chemical resistant gloves. Wear self-contained breathing apparatus or airline.

Environmental Precautions

Dike area to prevent runoff and contamination of water sources. Dispose off via a licensed waste disposal contractor. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Dispose the material in accordance with the government regulation. This product contains ingredients which are toxic to fish and invertebrates.

Clean-up Procedures

Absorbe with cloth, fleece, sawdust, kieselgur, sand or other universal binder. Stop leak if safe to do so. Collect liquid with EXPLOSION PROOF pumps. Ensure cleanup is conducted by trained personnel only. If possible, the spilled liquid should be transferred to a waste container.

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

Section 7. Handling and Storage

Precautions for Safe Handling

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

Conditions for Safe Storage

Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Keep container closed when not in use. Store in a cool and dry area. Store only in well-ventilated areas. Take action to prevent static discharges. Ventilate area with explosion-proof equipment ONLY.

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

Suitable Packaging

Store in original container / packaging. Always keep in containers made of the same materials as the supply container. Store in a corrosive resistant container with a resistant inner liner.

Compatible container / packaging material: Glass containers. Polyethylene. Polypropylene.

Section 8. Exposure Controls / Personal Protection

Control Parameters / Limits for Product

No data available for the product.

Control Parameters / Limits for Component

Ethylene glycol monobutyl ether

DNEL/DMEL Consumer Inhalation Chronic	49 mg/m³, Systemic effects.
DNEL/DMEL Consumer Dermal Chronic	38 mg/kg/d, Systemic effects.
PNEC Seawater	0.88 mg/l.
PNEC Soil	2.8 mg/kg.
DNEL/DMEL Consumer Inhalation Acute	123 mg/kg, Local effects.
ACGIH TLV	TWA 20 ppm.
NIOSH REL	TWA 5 ppm. TWA 24 mg/m³.
OSHA PEL	TWA 50 ppm. TWA 240 mg/m³.

Sodium tripolyphosphate

DNEL/DMEL General Population Dermal Acute	0.375 mg/kg, Systemic effects.
DNEL/DMEL General Population Inhalation Chronic	0.661 mg/m³, Systemic effects.
DNEL/DMEL General Population Dermal Chronic	0.375 mg/kg/d, Systemic effects.
PNEC Seawater	0.005 mg/l.
NIOSH REL	Not listed.
OSHA PEL	Not listed.

Nonylphenol polyethylene glycol ether

DNEL/DMEL	Not available.
ACGIH TLV	Not listed.
NIOSH REL	Not listed.
PNEC	Not available.

OSHA PEL	Not listed.

Disodium Metasilicate

DNEL/DMEL Worker Dermal Acute	89 mg/kg/d, Systemic effects. 633 - 648 mg/m³, Systemic effects.
PNEC Seawater	0.88 mg/l.
PNEC Freshwater	8.8 mg/l.
ACGIH TLV	10 mg/m³ (Total Dust).
NIOSH REL	10 mg/m³ (Total Dust).
OSHA PEL	15 mg/m³ (Total Dust).

Potassium hydroxide

DNEL/DMEL Consumer Inhalation Chronic	1 mg/m³, Local effects.
ACGIH TLV	Ceiling 2 mg/m³.
NIOSH REL	Ceiling 2 mg/m³.
PNEC	No PNEC value established.
OSHA PEL	Ceiling 2 mg/m³.

Engineering Measures

Provide adequate general and local exhaust ventilation. Safety showers and eye wash stations should be easily accessible to areas where product is stored, handled, or used in large quantities.

Respiratory Protection

In case of inadequate ventilation, wear respiratory protection.

Eye/Face Protection

Wear safety goggles.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Wear impermeable gloves. Preventative skin protection (barrier creams / ointments) is recommended.

Section 9. Physical and Chemical Properties

Basic physical and chemical properties Information

Physical State	liquid
Appearance	Orange
Odor	Strong
Odor threshold	Not available
pH	13.6
Melting point	at 25 degrees C Not available
Boiling point	100°C / 212°F
Flash Point	67°C / 152.6°F

Flammability	Not available
Flammability limit	Not available
Vapor pressure	3169 Paat 25°C / 77°F
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	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	230°C / 446°F
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Density	1.05 g/cm^3

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.

Conditions to Avoid

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

Materials to Avoid

Light metals (due to the release of hydrogen in an acid.alkaline medium).

Hazardous Products of Decomposition

No decomposition hazardous products are specified.

Section 11. Toxicological Information

Toxicological Information for Product

The product has not been under a toxicology risk assessment by itself. 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. ACGIH: Ethylene glycol monobutyl ether (CAS 111-76-2) A3 Confirmed animal carcinogen with unknown relevance to humans.

Skin: Causes skin damage.

Eyes: Causes serious eye damage.

Toxicological Information for Component

Ethylene glycol monobutyl ether

ATE (Inhalation- vapor)	11.
ATE (Dermal)	1100.
ATE (Oral)	1746.
LOAEC Inhalation	152 mg/m³, Rat (Target Organ(s):Blood).
NOAEL Dermal	150 mg/kg, Rat.
LOAEL Oral	69 mg/kg, Rat (Target Organ(s): Liver).
LD 50 Oral	1300 mg/kg, Rat.
LC 50 Inhalation	> 4.9 mg/l(3h), Rat.
LD 50 Dermal	> 2000 mg/kg, Guinea Pig.

Nonylphenol polyethylene glycol ether

LD 50 Oral	960-3980 mg/kg, Rat.
LD 50 Dermal	2000-2991 mg/kg, Rabbit.

Sodium tripolyphosphate

LD 50 Oral	> 2000 mg/kg, Rat.
LC 50 Inhalation	> 0.39 mg/l(4h), Rat.
LD 50 Dermal	4640 mg/kg, Rabbit.

Potassium hydroxide

ATE (Oral)	333.
LD 50 Oral	273 mg/kg, Rat.

Disodium Metasilicate

LD 50 Oral	600 mg/kg, Rat.

Irritation/Corrosion Information for Product

Skin: Causes severe skin burns and eye damage.

Eyes: Causes serious eye damage.

Section 12. Ecological Information

Ecotoxicity Values for Product

Ecotoxicity: This product is classified as a chronic environmental hazardous.

Ecotoxicity Values for Component

Ethylene glycol monobutyl ether

Bioaccumulative potential: Log KOW 0.81.
Biodegradability: Degradation Rate 18.3%. Time 3 d. Carbon dioxide generation.
EC 50 aquatic invertebrates: 1550 mg/l(48h).
EC 50 aquatic invertebrates - Chronic: 297 mg/l(21d).
LC 50 Fish: 1474 mg/l(96h).
ErC 50 Algae: 1840 mg/l(72h).

Disodium Metasilicate

EC 50 Water Flea: 216 mg/l(96).
LC 50 Freshwater Fish: 210 mg/l(96h).

Sodium tripolyphosphate

EC 50 Water Flea: 238.35 - 321.01 mg/l(4h), Ceriodaphnia dubia.
LC 50 Freshwater Fish: 650 mg/l(48h).

Potassium hydroxide

LC 50 Fish: Not available.

Nonylphenol polyethylene glycol ether

LC 50 Fish: Not available.

Section 13. Disposal Considerations

Waste Disposal Regulation(s) / Operation

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.

Section 14. Transportation Information

UN Number	1760.
UN Proper Shipping Name	Corrosive Liquid, N.O.S (Potassium hydroxide.
Hazard Class	8.
Packing Group	III.
DOT Proper Shipping	Corrosive Liquid, N.O.S (Potassium hydroxide). SP (lb3, T7, Tp1, TP28)
Name Sea Transport IMDG	UN1760, Corrosive liquid, N.O.S, (Potassium hydroxide) 8, III. SP (223, 274) EQ (E1), LQ (5l), EmS (F-A, S-B) Stowage category B
Air Transport IATA	UN1760, Corrosive liquid, N.O.S, (Potassium hydroxide) 8, III. SP (A3), EQ (E1) LQ (1l)

Section 15. Regulatory Information

Safety, Health and Environmental Regulations for Component

Sodium tripolyphosphate

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	Canadian Domestic Substances List (DSL): listed.
	WHMIS Hazard Classification: D2B Toxic materials.
US:	SARA 311-312 Hazard Classification(s): immediate (acute) health hazard delayed (chronic) health hazard fire hazard.
	US EPCRA (SARA Title III) Section 313 - Toxic Chemical List: listed.
	OSHA: listed as hazardous.
	TSCA (US Toxic Substances Control Act): listed.
	Right to know: MA. NJ.

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.

Disodium Metasilicate

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

Ethylene glycol monobutyl ether

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
CANADA:	NPRI VOCs with Additional Reporting Requirement: Mass reporting threshold/Identification Number 1 Tonne.
	WHMIS: This component is categorized as a Controlled Product.
	WHMIS Hazard Classification: B/3, D/1/A, D/2/B.
	Canadian Domestic Substances List (DSL): listed.
	Canadian Environmental Protection Act (CEPA): not listed.
US:	SARA 311-312 Hazard Classification(s): immediate (acute) health hazard, delayed (chronic) health hazard, fire hazard.
	TSCA (Toxic Substances Control Act): listed.
	US EPCRA (SARA Title III) Section 313 - Toxic Chemical List: listed.
	OSHA: listed as hazardous.

Potassium hydroxide

EUROPE:	European Inventory of Existing Commercial Chemical Substances (EINECS): listed.
	European List of Notified Chemical Substances (ELINCS): not listed.
CANADA:	Canadian Domestic Substances List (DSL): listed.
US:	SARA Section 311/312 (Specific toxic chemical listings): Reactive, Acute, Chronic.
	SARA Section 313 (Specific toxic chemical listings): not listed.
	RCRA (hazardous waste code): not listed.
	TSCA (Toxic Substances Control Act): listed.
	CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): listed.
	Proposition 65 (California): not listed.
	SARA 304 (Emergency release notification): Not regulated.
	OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): not listed.
	SARA 302 (Extremely hazardous substance): Not listed.

Section 16. Other Information

Other Information

Disclaimer: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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).
ATE:	Acute Toxicity Estimate.
BCF:	BioConcentration Factor.
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. Regulation (EC)
CLP:	No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR:	Carcinogenic, Mutagenic or toxic for Reproduction.
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
EINECS:	European Inventory of Existing Commercial chemical Substances.
ELINCS:	European List of Notified Chemical Substances.
EPA:	US Environmental Protection Agency.
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.
LOAEC:	Lowest adverse effects concentrations.
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.