

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

PRO WASH

Revision: 11/1/2017

1. Identification

Product identifier
Product name: PRO WASH
Product number: 74320
Recommended use and restriction on use
Recommended use: Industrial Vehicle Wash

Restrictions on use: No relevant information available.

Details of the supplier of the Safety Data Sheet

INDUSTRIAL BOLT SUPPLY

740 Clay Street NW

Auburn, WA 98001

Tel: 800-678-1906

Emergency telephone number

USA: (800) 255-3924

2. Hazard(s) identification

Classification of the substance or mixture
Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Hazard class and category	Hazard statement code(s)
Carcinogenicity	Cat. 2 H351

Label elements
Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200) Hazard pictograms

Signal word: Warning

Pictograms


GHS08

Hazard statements

H351 Suspected of causing cancer.

Precautionary statements - prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statements – response

If exposed or concerned: Get medical advice/attention

Precautionary statements – storage

Store locked up.

Precautionary statements – disposal

Dispose of contents / container in accordance with local / regional / national / international regulations

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Other hazards

Harmful to aquatic life with long lasting effects.

3. Composition/information on ingredients

Chemical Name	CAS No.	Weight %
Dodecyl benzene sulfonic acid	27176-87-0	1-10
Glycerol	56-81-5	<5
Cocamidopropyl betaine	61789-40-0	<5
Sodium hydroxide	1310-73-2	<1
Diethanolamine	111-42-2	<1
Cocamide DEA	68603-42-9	<1

Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4. First-aid measures**Description of first aid measures****General Advice**

If exposed or concerned: Get medical advice/attention

After inhalation

Remove to fresh air.

After skin contact

Wash off immediately with plenty of water for at least 15 minutes.

After eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician

After swallowing

Rinse out mouth and then drink plenty of water.

Most important symptoms and effects, both acute and delayed

Suspected of causing cancer.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing agents**

The product is not flammable.

Use firefighting measures that suit the environment.

Unsuitable extinguishing agents: None.

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Special hazards arising from the substance or mixture

Not determined.

Advice for firefighters

Protective equipment:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as require.

Environmental precautions

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for clean-up

Keep in suitable, closed containers for disposal.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

Precautions for safe handling

Recommendations

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing and eye/face protection.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up.

Requirements to be met by storerooms and receptacles

None.

Incompatible substances or mixtures

None known based on information supplied.

Specific end use(s): No relevant information available.

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8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Chemical Name	CAS No.	Type	[ppm]	[mg/m ³]
Glycerol	56-81-5	TWA		15 mist, total particulate 5 mist, respirable fraction
Sodium Hydroxide	1310-73-2	TWA		2

US. ACGIH Threshold Limit Values

Chemical Name	CAS No.	Type	[ppm]	[mg/m ³]
Sodium Hydroxide	1310-73-2	Ceiling		2
Diethanolamine	111-42-2	TWA		1 inhalable fraction and vapor

US. NIOSH: Pocket Guide to Chemical Hazards

Chemical Name	CAS No.	Type	[ppm]	[mg/m ³]
Sodium Hydroxide	1310-73-2	IDLH		10
		Ceiling		2
Diethanolamine	111-42-2	TWA	3	15

Notation

PEL Permissible exposure limit.

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

IDLH Immediately Dangerous to Life or Health

Exposure controls

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

Handle in accordance with good industrial hygiene and safety practices.

Eye/face protection

Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and body protection

Refer to 29 CFR 1910.133 for eye and face protection regulations.

Respiratory protection

Refer to 29 CFR 1910.133 for eye and face protection regulations.

Risk management measures No special requirements.

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9 Physical and chemical properties

Information on physical and chemical properties

Appearance

Form	Liquid, viscous
Color	Clear turquoise
Odor	Wild cherry
Odor threshold	Not available
pH	9
Melting point/freezing point	-0°C (32°F)
Boiling point/boiling point range	100°C (212°F)
Flash point	Not available
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not determined
Flammability limit – upper (%)	Not determined
Explosive limit – lower (%)	Not determined
Explosive limit – upper (%)	Not determined
Vapor Pressure at 20°C (68°F)	Not determined
Density at 20°C (68°F)	1.03 g/cm ³ (8.693 lbs/gal)
Relative density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined
Solubility(ies)	
Solubility (water)	Fully miscible
Partition coefficient (n-octanol/water)	Not determined
Viscosity	Not determined
Other information	No relevant information available

10 Stability and reactivity

Reactivity

The product is stable and non-reactive under normal conditions of use, storage, and transport

Chemical stability

The product is stable under normal conditions

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

None known based on information supplied.

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Hazardous decomposition products

None known based on information supplied.

11 Toxicological information

Information on likely routes of exposure

Product Information

Eye Contact: Avoid contact with eyes.

Skin Contact: Avoid contact with skin.

Inhalation: Do not inhale.

Ingestion: Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dodecyl benzene sulfonic acid=27176-87-0	1260 mg/kg (Rat)	631-1000 mg/kg (Rabbit)	-
Glycerol 67-63-0	=12600 mg/kg (Rat)	>10 g/kg (Rabbit)	>570 mg/m ³ (Rat) 1h
Sodium Chloride 7647-14-5	=3 g/kg (Rat)	>10 g/kg (Rabbit)	>42 g/m ³ (Rat) 1h
Cocamidopropyl betaine 61789-40-0	>10000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	-
Alcohols, C9-11 ethoxylated 68439-46-3	=1400mg/kg (Rat) =1378 mg/kg (Rat)	>2 g/kg (Rabbit)	-
Sodium Hydroxide 1310-73-2	-	=1350 mg/kg (Rabbit)	-
Diethanolamine 111-42-2	=780 mg/kg (Rat) =620 µL/kg (Rat)	=7640 µL/kg (Rabbit)	-
Cocomide DEA 68603-42-9	>5000 mg/kg (Rat)	>2 g/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity

Suspected of causing cancer.

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Chemical Name	ACGIH	IARC	NTP	OSHA
Diethanolamine 107-98-2	A3	Group 2B	-	X
Ethyl Alcohol 64-17-5	-	Group 2B	-	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 17,873.00 mg/kg

ATEmix (dermal) 8,946.00 mg/kg

ATEmix (inhalation-dust/mist) 8.13 mg/L

12 Ecological information

Toxicity

Aquatic toxicity: No relevant information available.

Chemical Name	Endpoint Value	Species	Exposure time
Dodecyl benzene sulfonic acid 27176-87-0	29 mg/L EC50 static	Pseudokirchneriella subcapitata	96 h
	10.8 mg/L LC50 static	Oncorhynchus mykiss	96 h
	3.5-10 mg/L LC50 static	Brachydanio rerio	96 h
	5.88 mg/L EC50	Daphnia magna	48 h
Glycerol 56-81-5	51-57 mg/L LC50 static	Oncorhynchus mykiss	96 h
	500 mg/L EC50	Daphnia magna	24 h
Sodium Chloride 7647-14-5	6420-6700 mg/L LC50 static	Pimephales promelas	96 h
	7050 mg/L LC50 semi-static	Pimephales promelas	96 h
	12946 mg/L LC50 static	Lepomis macrochirus	96 h
	4747-7824 mg/L LC50 flow-through	Oncorhynchus mykiss	96 h
	6020-7070 mg/L LC50 static	Pimephales promelas	96 h
	5560-6080 mg/L LC50 flow-through	Lepomis macrochirus	96 h
Cocamidopropyl betaine 61789-40-0	340.7-469.2 mg/L EC50 static	Daphnia magna	48 h
	1000 mg/L EC50	Daphnia magna	48 h
	0.55 mg/L EC50	Desmodesmus	96 h
	1.0-10.0 mg/L EC50	Desmodesmus subspicatus	96 h
Sodium Hydroxide 7647-14-5	1.0-10.0 mg/L LC50	Brachydanio rerio	96 h
	2 mg/L LC50 semi-static	Brachydanio rerio	96 h
	6.5 mg/L EC50	Daphnia magna	48 h
	45.4 mg/L LC50 static	Oncorhynchus mykiss	96 h
Diethanolamine 111-42-2	7.8 mg/L EC50	Desmodesmus subspicatus	72 h
	2.1-2.3 mg/L EC50	Pseudokirchneriella subcapitata	96 h
	4460-4980 mg/L LC50 flow-through	Pimephales promelas	96 h

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	1200-1580 mg/L LC50 static	Pimephales promelas	96 h
	600-1000 mg/L LC50 semi-static	Lepomis macrochirus	96 h
	55 mg/L EC50	Daphnia magna	48 h
Cocomide DEA	3.6 mg/L LC50 semi-static	Brachydanio rerio	96 h
68603-42-9	4.2 mg/L EC50	Daphnia Magna	24 h

Persistence and degradability

Not determined.

Bioaccumulative potential

Not determined

Mobility in soil

Chemical Name	Partition Coefficient
Glycerol 56-81-5	-1.76
Diethanolamine 111-42-2	-2.18

Additional ecological information

General notes: None.

Other adverse effects: No relevant information available.

13 Disposal considerations

Waste treatment methods

Disposal Recommendations

Smaller quantities can be disposed of with household waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic Corrosive

14 Transport information

DOT

Not regulated

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IATA

Not regulated

IMDG

Not regulated

15 Regulatory information

International Inventories

All ingredients are listed or exempt from listing on Chemical Substance Inventory

US Federal Regulations**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Dodecyl benzene sulfonic acid 27176-87-0	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Sodium Hydroxide 1310-73-2	1000 lb	-	RQ1000 lb final RQ RQ 454 kg final RQ
Diethanolamine 111-42-2	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
Dodecyl benzene sulfonic acid	1000 lb	-	-	X
Sodium hydroxide	1000 lb	-	-	X

US State Regulations**California Proposition 65**

Chemical Name	California Proposition 65
Diethanolamine 111-42-2	Carcinogen
Cocomide DEA 68603-42-9	Carcinogen

U.S. State Right-to-Know Regulations

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Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dodecyl benzene sulfonic acid 27176-87-0	X	X	X
Glycerol 56-81-5	X	X	X
Sodium hydroxide 1310-73-2	X	X	X
Diethanolamine 111-42-2	X	X	X

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of Preparation / current revision: 11/1/2017 /

Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org) Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers