

Safety Data Sheet acc. to OSHA HCS

Date of issue: 10/01/2024

Reviewed on 10/01/2024

1 Identification

Product identifier

Trade name: WORKS PLUS

Other means of identification

Product Code: QW-0110P

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Quest Car Care Products
3331 80th Avenue
Zeeland, MI 49464
USA

Information department: Chemical Department

Emergency telephone number:

Chemtrec
631404
1-800-424-9300 (24 hours)
1-703-527-3887 (24 hours (international))

2 Hazard(s) identification

Classification of the substance or mixture



GHS08 Health hazard

Reproductive toxicity 1A H360 May damage fertility or the unborn child.



GHS05 Corrosion

Skin corrosion 1A H314 Causes severe skin burns and eye damage.

Eye damage 1 H318 Causes serious eye damage.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05



GHS08

Signal word Danger

Hazard-determining components of labeling:

Sodium Hydroxide
Proprietary ingredient 2

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Proprietary Surfactant

Hazard statements

Causes severe skin burns and eye damage.

May damage fertility or the unborn child.

Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dusts or mists.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

Store locked up.

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

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Classification according to (d)(1)(ii) of § 1910.12000**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:** Mixture of the substances listed below with nonhazardous additions.**Substances:**

1310-73-2	Sodium Hydroxide	10-30% *
111-76-2	2-Butoxyethanol	1-10% *
	Proprietary ingredient 2	1-5% *
	Proprietary Ingredient	1-5% *
	Proprietary Surfactant	1-5% *

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

Description of first aid measures**General information:** Immediately remove any clothing soiled by the product.**After inhalation:** In case of unconsciousness place patient stably in side position for transportation.**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.
Most important symptoms and effects, both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
 No further relevant information available.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:

 CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

Advice for firefighters
Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Protective Action Criteria for Chemicals
PAC-1:

1310-73-2	Sodium Hydroxide	0.5 mg/m ³
111-76-2	2-Butoxyethanol	60 ppm

PAC-2:

1310-73-2	Sodium Hydroxide	5 mg/m ³
111-76-2	2-Butoxyethanol	120 ppm

PAC-3:

1310-73-2	Sodium Hydroxide	50 mg/m ³
111-76-2	2-Butoxyethanol	700 ppm

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

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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Prevent formation of aerosols.

Information about protection against explosions and fires: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

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

8 Exposure controls/personal protection

Control parameters
Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

1310-73-2 Sodium Hydroxide

 PEL Long-term value: 2 mg/m³

 REL Ceiling limit value: 2 mg/m³

 TLV Ceiling limit value: 2 mg/m³
111-76-2 2-Butoxyethanol

 PEL Long-term value: 240 mg/m³, 50 ppm
Skin

 REL Long-term value: 24 mg/m³, 5 ppm
Skin

 TLV Long-term value: 20 ppm
BEI, A3

Ingredients with biological limit values:
111-76-2 2-Butoxyethanol

 BEI 200 mg/g creatinine
Medium: urine
Time: end of shift
Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Appropriate engineering controls No further data; see section 7.

Personal protective equipment:
General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

* 9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Physical state**

Fluid

Color:

Light green

Odor:

Characteristic

Odor threshold:

Not determined.

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

Undetermined.

Flammability:

Not applicable.

Explosion limits:**Lower:**

Not determined.

Upper:

Not determined.

Flash point:

>93 °C (>199.4 °F)

Decomposition temperature:

Not determined.

pH-value:

Not determined.

Viscosity:**Kinematic:**

Not determined.

Dynamic:

Not determined.

Solubility in / Miscibility with**Water:**

Fully miscible.

Partition coefficient (n-octanol/water):

Not determined.

Vapor pressure:

Not determined.

Vapor pressure:**Density at 20 °C (68 °F):**1.157 g/cm³ (9.65517 lbs/gal)**Relative density**

Not determined.

Vapor density

Not determined.

Particle characteristics

Not applicable.

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Other information**Appearance:****Form:**

Fluid

Important information on protection of health and environment, and on safety.**Ignition temperature:**

Product is not selfigniting.

Danger of explosion:

Product does not present an explosion hazard.

Change in condition**Evaporation rate**

Not determined.

10 Stability and reactivity

Reactivity No further relevant information available.**Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects**Acute toxicity:****LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral	LD50	3,950–3,979 mg/kg
Dermal	LD50	5,000–5,051 mg/kg (rab)
Inhalative	LC50/4 h	37.5–37.9 mg/l (ATE)

1310-73-2 Sodium Hydroxide

Oral	LD50	2,000 mg/kg (rat)
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111-76-2 2-Butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
Inhalative	LC50/4 h	3 mg/l (ATE)

on the skin: Strong caustic effect on skin and mucous membranes.**on the eye:**

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

Sensitization: No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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Interactive effects No interactive effects between components are known.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

111-76-2 | 2-Butoxyethanol

3

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Alternative sources for toxicological information

No non-standard sources for toxicological information where used.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects

Additional ecological information:

General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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

14 Transport information

UN-Number

DOT, IMDG, IATA

UN1824

UN proper shipping name

DOT, IATA

IMDG

Sodium hydroxide solution

SODIUM HYDROXIDE SOLUTION

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Transport hazard class(es)**DOT**

Class 8 Corrosive substances
Label 8

IMDG, IATA

Class 8 Corrosive substances
Label 8

Packing group

DOT, IMDG, IATA II

Environmental hazards: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:**DOT**

Quantity limitations On passenger aircraft/rail: 1 L
 On cargo aircraft only: 30 L

IMDG

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

Special precautions for user Warning: Corrosive substances

Hazard identification number (Kemler code): 80

EMS Number: F-A,S-B

Segregation groups (SGG18) Alkalis

Stowage Category A

Segregation Code SG35 Stow "separated from" SGG1-acids

UN "Model Regulation": UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

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Section 313 (Specific toxic chemical listings):

111-76-2 2-Butoxyethanol

TSCA (Toxic Substances Control Act):

7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
1310-73-2	Sodium Hydroxide	ACTIVE
111-76-2	2-Butoxyethanol	ACTIVE
1300-72-7	sodium xylenesulphonate	ACTIVE
	Proprietary Surfactant	ACTIVE

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories**EPA (Environmental Protection Agency)**

111-76-2 2-Butoxyethanol NL

TLV (Threshold Limit Value)

111-76-2 2-Butoxyethanol A3

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS05 GHS08

Signal word Danger**Hazard-determining components of labeling:**

Sodium Hydroxide
 Proprietary ingredient 2
 Proprietary Surfactant

Hazard statements

Causes severe skin burns and eye damage.
 May damage fertility or the unborn child.

Precautionary statements

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Do not breathe dusts or mists.

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Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

Store locked up.

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

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 previous version 09/17/2024

Date of preparation 10/01/2024

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Skin corrosion 1A: Skin corrosion/irritation – Category 1A

Eye damage 1: Serious eye damage/eye irritation – Category 1

Reproductive toxicity 1A: Reproductive toxicity – Category 1A

*** Data compared to the previous version altered.**