



AQ-280 Rust Inhibitor Safety Data Sheets

Medical Equipment Washing & Decontamination Systems



NATIONAL PURITY, LLC.
6840 SHINGLE CREEK PKWY, STE 23
BROOKLYN CENTER, MN 55430
(612) 672-0022

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	AQUAPHASE AQ-280 RUST INHIBITOR
Product Number	P082
Product Type	Mixture
Product Use	Underbody rust inhibitor for vehicles.
Manufacturer/Supplier	National Purity, LLC. 6840 Shingle Creek Parkway, Suite #23 Brooklyn Center, MN 55430
Company Contact	612-672-0022
Emergency Telephone Number	1-800-255-3924

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

- Flammable liquid, (Category 3) H226
- Acute toxicity, Oral (Category 5) H303
- Skin corrosion/irritation, (Category 1) H314,
- Serious eye damage/eye irritation, (Category 1) H318
- Specific organ toxicity (Category 1), H370

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard Statements

- H226 Flammable liquid and vapor.
- H303 May be harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H370 Risk of serious damage to the lungs by inhalation.

Precautionary Statements

Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames, ignition sources. No smoking.
- P233 Keep container tightly closed.
- P243 Take action to prevent static discharges.
- P261 Avoid breathing mists, vapors, or spray.
- P264 Wash hands and exposed skin thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well ventilated area.

Response

- P370+P378 In case of fire, use procedures appropriate for the primary source of fire.
- P303+361+P353+P363 IF ON SKIN, immediately take off all contaminated clothing. Rinse skin with water or shower if appropriate. Wash contaminated clothing before reuse.



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P301++P330+P331
P305+P351+P338

P310
P304+P340
P310
P308+P311

Storage/Disposal
P403+P233+P235
P405
P501

IF SWALLOWED: Rinse mouth. DO NOT INDUCE VOMITING.
IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present. Continue rinsing.
Immediately call a POISON CENTER/doctor.
IF INHALED: remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER/doctor.
If exposed or concerned about inhalation, call a POISON CENTER/doctor.

Store in a well ventilated place. Keep cool. Keep container tightly closed.
Store locked up.
Dispose of contents/container in accordance with local, state and federal regulations.

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
1-Propanamine, 3-(isodecyloxy)-,acetate	28701-67-9	H302, H314, H370	20-30%
Ethylene glycol monobutyl ether	111-76-2	H227, H316, H320	1-10%
Isopropyl alcohol	67-63-0	H225, H319, H336	1-10%

4. First Aid Measures

Description of First Aid Procedures

General Advice

Consult a physician. Show this SDS to the doctor.

In Case of Eye Contact

Flush with cool running water for 15 minutes. Remove contact lenses if possible. Get immediate medical attention.

In Case of Skin Contact If Ingested

Flush with cool water. If irritation occurs, get medical attention.
Rinse mouth. **Do not induce vomiting.** Obtain immediate medical attention. Never give anything by mouth to an unconscious person.
Move person to fresh air. If breathing difficulty persists, consult a physician.
Symptoms may be delayed.

If Inhaled Notes to Physician General advice

Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties Extinguishing media

Flammable.
Carbon dioxide, dry chemical, dry sand or limestone powder.

Protection of firefighters

Firefighters should wear protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and not limited to oxides of carbon. Ammonia gas may be liberated at high temperatures. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel should be evacuated.

Unusual Fire, Explosion hazards

Containers may melt or rupture from heat of fire.

Further information

Do not allow run off from fire fighting to enter drains or water ways. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.



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6. Accidental Release Measures

Personal precautions	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
Methods for containment	Prevent entry into waterways, sewers.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be mopped up placed in a container for disposal. Large spills: dike with suitable material and prevent discharge into waterways. Spill may be absorbed with non reactive material and placed in a suitable container for disposal. Residues can be rinsed with water and palce in suitable container for disposal. Dispose of contents/containers in accordance with local, state, and federal regulations.

7. Handling and Storage

Precautions for Safe Handling	Use good industrial hygiene practices when handling this material. Wash contaminated clothing before reuse.
Conditions for Safe Storage	Keep container closed when not in use. Keep away from heat or sources of ignition.. Store in cool dry place.

8. Exposure Controls and Personal Protection

Exposure Limits	CAS#	OSHA PEL	ACGIH TLV
Ingredients			
1-Propanamine, 3-(isodecyloxy)-,acetate	28701-67-9	Not available	Not available
Ethylene glycol monobutyl ether	111-76-2	Not available	Not available
Isopropyl alcohol	67-63-0	400 ppm TWA, 980 mg/m ³ PEL	Not available

Engineering controls	Provide exhaust ventilation adequate to ensure concentrations are kept below exposure limits.
Personal protective equipment	
Eye/Face protection	Wear goggles or safety glasses with side shields if splash conditions exist.
Hand protection	Wear rubber or neoprene safety gloves.
Skin and body	As required by employer code.
Respiratory protection	Use a NIOSH approved respirator when exposure guidelines are exceeded.
General hygiene considerations	Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance/form	Clear liquid
Color	Amber
Odor	Solvent/alcohol
Odor threshold	Not established
pH	6.2-6.6 (concentrate)
Melting/freezing point	Not established
Initial Boiling point	>212° F. (100° C.)
Flash point	130° F. (54° C.) Estimated.
Evaporation rate	Not established
Flammability	Flammable liquid and vapors
Upper/lower flammability or	Not established
Explosive limits	Not established



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Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	0.87-0.88
Vapor density	Not established
Solubility in water	Complete
VOC	< 20.0%
% Volatile	≈ 75%

Other Safety Information

10. Stability and Reactivity

Reactivity	
Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong acids, strong oxidizing agents and amines.
Hazardous decomposition products	May include but not limited to oxides of carbon, phosphorous, and nitrogen. Nitric acid and ammonia.
Hazardous polymerization	Will not occur.

11. Toxicological Information

Ingredients	LC50
1-Propanamine, 3-(isodecyloxy)-,acetate	Not available.
Ethylene glycol monobutyl ether	Not available.
Isopropyl alcohol	16000 ppm (inhalation rat- 8 hours)
Ingredients	LD50
1-Propanamine, 3-(isodecyloxy)-,acetate	1,200 mg/kg (Oral-rat)
Ethylene glycol monobutyl ether	Not available.
Isopropyl alcohol	5,045 mg/kg (Oral-rat), 12,800 mg/kg (Dermal-rabbit)
Effects of acute exposure	
Eye	Will cause serious eye damage.
Skin	Will cause severe skin burns.
Ingestion	May be harmful if swallowed. May cause irritation to mouth, throat and stomach.
Inhalation	Risk of serious damage to the lungs.
Sensitization	Not known.
Chronic effects of short and long Term exposure	Prolonged exposure to skin may cause drying, defatting and irritation.
Carcinogenicity	Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.
Mutagenicity	No data available.
Reproductive effects	No data available.
Teratogenicity	No data available.

12. Ecological Information

Eco-toxicity	Ecological effects for this product have not been analyzed.
Aquatic toxicity	
1-Propanamine, 3-(isodecyloxy)-, acetate	No data available
Ethylene glycol monbutyl ether	No data available.
Isopropyl alcohol	LC50 Fathead minnow: 9,640 mg/l 24 hours EC50 Daphnia magna (water flea) 5,102 mg/l 24 hours EC50 Algae : > 1000 mg/l 24 hours



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Environmental effects	No data available.
Persistence and Degradability	No data available.
Bioaccumulation/accumulation	No data available.
Partition coefficient	No data available.
Mobility in environmental media	No data available.
Chemical fate information	No data available.
Other adverse effects	No data available.

13. Disposal Considerations

Waste codes	Not Available
Disposal instructions	Dispose in accordance with local, state, and federal regulations.
Wastes from residues/unused product	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:	
Proper shipping name	Flammable liquid, corrosive, n.o.s.(contains isopropyl alcohol, ethylene glycol monobutyl ether, 1-Propanamine, 3-[isodecyloxy]-, acetate), 3, UN2924, PG II
Hazard class	3
UN number	UN2924
Packing group	PG II
Packaging exceptions	None
Special provisions	

15. Regulatory Information

U.S federal regulations	This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA. HCS 2012
TSCA	All ingredients are listed on the Toxic Substances Control Act.
Cercla SuperFund 40CFR117.302	This product does contain a material with a Reportable Quantity (RQ): Ethylene glycol monobutyl ether RQ = 5000 Lbs.
SARA Title III Section 311&312	Immediate (Acute) Health Hazard: 1-Propanamine, 3-(isodecyloxy)-,acetate CAS#28701-67-9 Ethylene glycol monobutyl ether CAS#111-76-2 Isopropyl alcohol CAS#67-63-0
SARA Title III Section 313	Product does contain substances on the list of Toxic Chemicals per 40CFR372: Ethylene glycol monobutyl ether CAS#111-76-2 Isopropyl alcohol CAS#67-63-0
CA Proposition 65	This product does contain chemicals known to the State of California to cause cancer, or reproductive effects: Trace amounts of Nickel.
States Right to Know	Reportable chemicals: Isopropyl alcohol



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Inventory Status

Countries

U.S.
Canada

Inventory Name

CIL
DSL

On Inventory (Yes/No)*

Yes
Yes

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS Legend

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	3
Flammability	2
Reactivity	0
Personal Protection	B

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

June 1, 2015

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

June 1, 2018