



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.



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% |

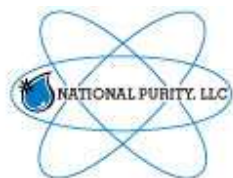
4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| General Advise | 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 | Flush with cool water. If irritation occurs, get medical attention. |
| If Ingested | Rinse mouth. Do not induce vomiting. Obtain immediate medical attention. Never give anything by mouth to an unconscious person. |
| If Inhaled | Move person to fresh air. If breathing difficulty persists, consult a physician. |
| Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|--|
| Flammable properties | Flammable. |
| Extinguishing media | 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. |



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 | | | |
|---|-------------|--|------------------|
| Ingredients | CAS# | OSHA PEL | ACGIH TLV |
| 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 |



| | |
|---------------------------------|-----------------|
| 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

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|--|--|
| 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

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|--|---|
| 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

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| 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

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|---|--|
| 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