



DETERGENTS. CLEAN SCIENCE.

THIS APPLIES TO UNDILUTED MATERIAL ONLY!

Safety Data Sheet

SD-919 LIQUID ADDITIVE

SDS Revision Date: 10/01/2015

1. Product and Company Name

1.1. Product identifier

Product Identity SD-919 LIQUID ADDITIVE
Alternate Names NA ID NO: 919L.15

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Product Label
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Alkota Detergents
601 North Van Gordon (P.O. Box 536)
Graettinger, IA. 51342

1.4 Medical and Emergency Spill Information FOR MEDICAL EMERGENCY CALL 24/7

FOR EMERGENCY SPILL, LEAK FIRE, EXPOSURE CALL 24/7

ROCKY MOUNTAIN POISON CONTROL CENTER
PH: (303)739-1146
CHEMTREC (800) 424-9300
Outside U.S. (703) 527-3887

Customer Service: Alkota Detergents PHONE: (712) 859.3980
FAX: (712) 859.3998

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Acute Tox. 5;H303 May be harmful if swallowed. (Not adopted by US OSHA)
Acute Tox. 5;H313 May be harmful in contact with skin. (Not adopted by US OSHA)
Skin Corr. 1B;H314 May cause severe skin burns and eye damage.
Eye Dam. 1;H318 May cause serious eye damage.
Skin Sens. 1;H317 May cause an allergic skin reaction.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H314 May cause severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 May cause serious eye damage.

[Prevention]

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use in a well-ventilated area.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+312 IF INHALED: If inhalation causes medical problems, Call ROCKY MOUNTAIN POISON CONTROL CENTER @ (303) 739-1146 or doctor / physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P333+313 If skin irritation or a rash occurs: Get medical advice / attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

[Storage]:

P403+235 Store in a well ventilated place. Keep cool.

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % |
|--|----------|
| Ethylene glycol monobutyl ether CAS Number: 0000111-76-2 | 10-40 |
| Phosphoric acid CAS Number: 0007664-38-2 | 10-40 |
| C9-C11 Synthetic Alcohol, Ethoxylated CAS Number: 0068439-46-3 | 10-40 |
| D-Limonene CAS Number: 0005989-27-5 | 1.0 - 05 |

4. First aid measures

4.1. Description of first aid measures

| | |
|-------------------|---|
| General | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. |
| Inhalation | Avoid vapor, move to fresh air. |
| Eyes | Allow streaming water to flow over the face while blinking the eye for at least 15 minutes, making sure you have complete irrigation of the eye and lids. Seek medical attention immediately. |
| Skin | While removing contaminated clothing and shoes immediately stand under safety shower for at least 15 minutes. Seek medical attention immediately! Discard any clothing or footwear that cannot be decontaminated. |
| Ingestion | Do NOT induce vomiting; drink plenty of water to flush system. Seek medical attention immediately. |

4.2. Most important symptoms and effects, both acute and delayed

Overview

ACUTE: Nausea, eye burns.
CHRONIC: Kidney and liver damage, nausea.
SIGNS & SYMPTOMS OF EXPOSURE: Throat, nose and eye irritation, clouding of cornea.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NA
INHALATION: Irritation, nausea, headaches, dizziness.
EYES: Irritation or burns.
SKIN: Irritation may occur.
INGESTION: Will cause throat and stomach irritation or burns.

Product is not listed as a carcinogen by OSHA, NTP, IARC, and ACGIH.
See section 2 for further details.

Inhalation

Harmful if inhaled.

Eyes

May cause serious eye damage.

Skin

May be harmful in contact with skin. (Not adopted by US OSHA) May cause an allergic skin reaction. Causes severe skin burns and eye damage.

Ingestion

May be harmful if swallowed. (Not adopted by US OSHA)

5. Fire-fighting measures

5.1. Extinguishing media : Water, dry chemical, carbon dioxide, foam

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of Carbon

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters : None

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions : No data available.

6.3. Methods and material for containment and cleaning up

Spill Procedures: Shut off leak if this can be done without injury to anyone. Flush area with large amounts of water.

Large Spills: These should be diked with earth; then pumped to a salvage tank.

Waste Disposal: After spill is contained, absorb with floor dry or sand, neutralize small spills with lime or soda ash. Dispose of in accordance with a Federal, State and Local pollution control laws and regulations.

Neutralize residual product in the spill area using lime or soda ash.

7. Handling and storage

7.1. Precautions for safe handling

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids..

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Do not store near chlorine-containing compounds.

Store in a cool dry area. Keep container closed when not in use. Freeze/thaw stable; however container could crack when frozen

Store away from oxidizers and alkalines.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s) : Concentrated detergent used to make finished industrial detergent.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|---------------------------------|----------|-------------------------------|
| 0000111-76-2 | Ethylene glycol monobutyl ether | OSHA | TWA 50 ppm (240 mg/m3) [skin] |
| | | ACGIH | TWA: 20 ppm Revised 2003, |
| | | NIOSH | TWA 5 ppm (24 mg/m3) [skin] |
| | | Supplier | No Established Limit |
| 0007664-38-2 | Phosphoric acid | OSHA | TWA 1 mg/m3 |
| | | ACGIH | TWA: 1 mg/m3 STEL: 3 mg/m3 |
| | | NIOSH | TWA 1 mg/m3 ST 3 mg/m3 |
| | | Supplier | No Established Limit |

Carcinogen Data : No suspected or known carcinogens.

8.2. Exposure controls

Respiratory

Stay away from vapor accumulation use chemical mask.

Eyes

Face shield/goggles

Skin

Chemical resistant gloves. Protective waterproof suit and boots.

Engineering Controls

Use in a well ventilated area. Do not allow vapor to accumulate.

Other Work Practices

Wear chemical splash goggles, face shield, chemical resistant gloves and waterproof suit and boots. Hygienic Information: Always wash thoroughly after handling. Facilities storing or using this material should be equipped with an eyewash facility.. Good personal hygiene practices should always be followed.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

| | |
|--------------------------------|-----------------|
| Appearance | Clear Liquid |
| Odor | Citrus |
| Odor threshold | Not Measured |
| pH | 5% Solution = 3 |
| Melting point / freezing point | >32 F |

| | |
|--|---|
| Initial boiling point and boiling range | 340F |
| Flash Point | 154 F PMCC |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: 1.1 Upper Explosive Limit: 10.6 |
| Vapor pressure (Pa) | 0.6 mm/hg @ 70 F |
| Vapor Density | 4.1 (Air=1) |
| Specific Gravity | 1.03 |
| Solubility in Water | Soluble |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | NA |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | Not Measured |

9.2. Other information: No other relevant information.

10. Stability and reactivity

- 10.1. Reactivity :** Hazardous Polymerization will not occur.
10.2. Chemical stability L Stable under normal circumstances.
10.3. Possibility of hazardous reactions : No data available
10.4. Conditions to avoid: Alkaline chemicals, oxidizing agents,
Do not store near chlorine-containing compounds.
10.5. Incompatible materials : Caustics, Oxidizers
10.6. Hazardous decomposition products: Oxides of Carbon

11. Toxicological information

Acute Toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr | Inhalation Gas LD50, ppm |
|--|------------------------------------|------------------------------------|-----------------------------------|-------------------------------------|--------------------------|
| Ethylene glycol monobutyl ether - (111-76-2) | 1,414.00, Guinea Pig - Category: 4 | 1,200.00, Guinea Pig - Category: 4 | 173.00, Guinea Pig - Category: NA | No data available | No data available |
| Phosphoric acid - (7664-38-2) | 1,530.00, Rat - Category: 4 | 2,740.00, Rabbit - Category: 5 | No data available | No data available | No data available |
| C9-C11 Synthetic Alcohol, Ethoxylated - (68439-46-3) | 5,100.00, Rat - Category: NA | No data available | No data available | No data available | No data available |
| D-Limonene - (5989-27-5) | 4,400.00, Rat - Category: 5 | 5,000.00, Rabbit - Category: 5 | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|---|
| Acute toxicity (oral) | 5 | May be harmful if swallowed. (Not adopted by US OSHA) |
| Acute toxicity (dermal) | 5 | May be harmful in contact with skin. (Not adopted by US OSHA) |
| Acute toxicity (inhalation) | 4 | Harmful if inhaled. |
| Skin corrosion/irritation | 1B | May cause severe skin burns and eye damage. |
| Serious eye damage/irritation | 1 | May cause serious eye damage. |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | 1 | May cause an allergic skin reaction. |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |

| | | |
|------------------------|-----|----------------|
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

12. Ecological information

12.1. Toxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|----------------------------|----------------------------|-------------------|
| Ethylene glycol monobutyl ether - (111-76-2) | 220.00, Fish (Piscis) | 1,000.00, Daphnia magna | Not Available |
| C9-C11 Synthetic Alcohol, Ethoxylated - (68439-46-3) | 8.50, Pimephales promelas | 2.686, Daphnia magna | Not Available |
| D-Limonene - (5989-27-5) | 0.702, Pimephales promelas | 0.577, Daphnia magna | Not Available |

12.2. Persistence and degradability : There is no data available on the preparation itself.

12.3. Bioaccumulative potential: Not Measured

12.4. Mobility in soil: No data available

12.5. Results of PBT and vPvB assessment : This product contains non PBT/vPvB chemicals.

12.6. Other adverse effects: No data available.

13. Disposal considerations

13.1. Waste treatment methods : Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|---|-----------------------------------|--------------------------|
| 14.1. UN number | UN1805 | UN1805 | UN1805 |
| 14.2. UN proper shipping name | UN1805, Phosphoric acid solution, 8, II | Phosphoric acid solution | Phosphoric acid solution |
| 14.3. Transport hazard class(es) | DOT Hazard Class: 8 DOT Label: 8 | IMDG: 8 | Air Class: 8 |
| 14.4. Packing group | II | II | II |

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user : No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification B3 D2B E

US EPA Tier II Hazards

Fire: Yes

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs.): Phosphoric Acid (5,000.00)

EPCRA 302 Extremely Hazardous : (No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals: Ethylene Glycol monobutyl ether

Proposition 65 - Carcinogens (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%): (No Product Ingredients Listed)

N.J. RTK Substances (>1%): Ethylene glycol monobutyl ether, Phosphoric Acid

Penn RTK Substances (>1%): Ethylene glycol monobutyl ether, Phosphoric Acid

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

We believe this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act. We believe the information contained on this Safety Data Sheet is current and offered in good faith. The information is provided for your guidance only. Alkota Detergents makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. It is the user's obligation to determine the suitability of this product for a specific purpose and the conditions for safe use of the product. We reserve the right to revise this Safety Data Sheet as newer information becomes available. Alkota Detergents makes no warranty of any kind.

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