

Armchem Instant Hand Sanitizer

Safety Data Sheet

SECTION 1: Product and company identification

Product name : Armchem Instant Hand Sanitizer
Use of the substance/mixture : Premoistened wipe
Product code : 1448
Company : Armchem International Corp.
3563 NW 53rd Ct.
Fort Lauderdale, FL 33309-6344 - USA
T (800) 886-0423
Emergency number : (800) 886-0423

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

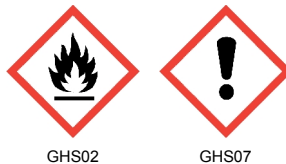
Flam. Sol. 2 H228
Eye Irrit. 2A H319
STOT SE 3 H336

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

Flammable solid
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/ equipment
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
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
Call a poison center/doctor if you feel unwell
If eye irritation persists: Get medical advice/attention
In case of fire: Use water to extinguish
Store in a well-ventilated place. Keep container tightly closed
Store locked up
Dispose of contents/container to comply with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

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| Name | Product identifier | % | Classification (GHS-US) |
|------------|---------------------|-----------|---|
| ethanol | (CAS No) 64-17-5 | 60 - 100 | Flam. Liq. 2, H225 STOT SE 3, H336 |
| UNDECETH-5 | (CAS No) 34398-01-1 | 0.5 - 1.5 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove the victim into fresh air. |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. |
| First-aid measures after eye contact | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth with water. Do NOT induce vomiting. |

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

| | |
|--------------------------------------|--|
| Symptoms/injuries | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/injuries after inhalation | : None under normal use. |
| Symptoms/injuries after skin contact | : Contact during a long period may cause light irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : Gastrointestinal complaints. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media allowed.

5.2. Special hazards arising from the substance or mixture

| | |
|-------------|---|
| Fire hazard | : Highly flammable liquid and vapor. |
| Reactivity | : Upon combustion: CO and CO ₂ are formed. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Protective goggles. Gloves. Protective clothing. |
| Emergency procedures | : Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area. |

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Stop leak if safe to do so. Stop release. Ventilate area. |

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Contain released substance, pump into suitable containers. |
| Methods for cleaning up | : This material and its container must be disposed of in a safe way, and as per local legislation. |

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed.
- Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep container closed when not in use.
- Incompatible products : Oxidizing agent.
- Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents.
- Storage area : Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.
- Special rules on packaging : meet the legal requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

- Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Premoistened wipe.
- Odor : Pleasant scent
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : > 95 °F
- Flash point : 70 °F Closed Cup - Tested using the liquid component of the towelette
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosion limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Vapor pressure : No data available
- Relative density : No data available
- Relative vapor density at 20 °C : No data available
- Specific gravity / density : 0.88 g/ml
- Solubility : Liquid component is soluble in water.
- Log Pow : No data available
- Log Kow : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- VOC content : < 75 % - Tested using the liquid component of the towelette

SECTION 10: Stability and reactivity

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10.1. Reactivity

Upon combustion: CO and CO₂ are formed.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| UNDECETH-5 (34398-01-1) | |
|-------------------------|--|
| LD50 oral rat | > 1400 mg/kg |
| ethanol (64-17-5) | |
| LD50 oral rat | 10740 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value) |
| LD50 dermal rabbit | > 16000 mg/kg (Rabbit; Literature study) |
| ATE CLP (oral) | 10740.000 mg/kg body weight |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : None under normal use.
Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : Gastrointestinal complaints.

SECTION 12: Ecological information

12.1. Toxicity

| UNDECETH-5 (34398-01-1) | |
|---|---|
| LC50 fish 1 | < 10 mg/l |
| EC50 Daphnia 1 | < 10 mg/l |
| ErC50 (algae) | < 10 mg/l |
| ethanol (64-17-5) | |
| LC50 fish 1 | 14200 mg/l (96 h; Pimephales promelas) |
| EC50 Daphnia 1 | 9300 mg/l (48 h; Daphnia magna) |
| LC50 fish 2 | 13000 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) |
| EC50 Daphnia 2 | 10800 mg/l (24 h; Daphnia magna) |
| Threshold limit other aquatic organisms 1 | 65 mg/l (72 h; Protozoa) |
| Threshold limit algae 1 | 1450 mg/l (192 h; Microcystis aeruginosa; Growth rate) |
| Threshold limit algae 2 | 5000 mg/l (168 h; Scenedesmus quadricauda; Growth rate) |

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12.2. Persistence and degradability

| | |
|---------------------------------|---|
| ethanol (64-17-5) | |
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. |
| Biochemical oxygen demand (BOD) | 0.8 - 0.967 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.70 g O ₂ /g substance |
| ThOD | 2.10 g O ₂ /g substance |
| BOD (% of ThOD) | 0.43 % ThOD |

12.3. Bioaccumulative potential

| | |
|---------------------------|--|
| ethanol (64-17-5) | |
| BCF fish 1 | 1 (72 h; Cyprinus carpio) |
| Log Pow | -0.31 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste treatment methods : Do not flush wipes. Dispose of contents/container to comply with local/regional/national/international regulations.
- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

- UN-No.(DOT) : UN3175
- Proper Shipping Name (DOT) : Solids containing flammable liquid, n.o.s.
- Transport hazard class(es) (DOT) : 4.1 - Class 4.1 - Flammable Solid 49 CFR 173.124
- Hazard labels (DOT) : 4.1 - Flammable solid



- Packing group (DOT) : II - Medium Danger
- DOT Packaging Non Bulk (49 CFR 173.xxx) : 212
- DOT Packaging Bulk (49 CFR 173.xxx) : 240
- DOT Symbols : G - Identifies PSN requiring a technical name
- DOT Special Provisions (49 CFR 172.102) : 47,IB6,IP2,T3,TP33
- DOT Packaging Exceptions (49 CFR 173.xxx) : 151
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 15 kg
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 50 kg
- DOT Vessel Stowage Location : B

Additional information

- Other information : This product may be eligible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.151.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

UNDECETH-5 (34398-01-1)

| | |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
|-------------------------------------|---------------------------------|

California Proposition 65 - This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

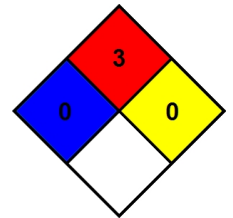
Full text of H-phrases:

| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Flam. Sol. 2 | Flammable solids Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H225 | Highly flammable liquid and vapor |
| H228 | Flammable solid |
| H302 | Harmful if swallowed |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

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