

MATERIAL SAFETY DATA SHEET

Alkaline Titration Solvent for Gas & Naptha

SECTION 1 . Product and Company Identification

Product Name and Synonym: Alkaline Titration Solvent for Gas & Naptha

Product Code: 0295

Material Uses:

Manufacturer: Science Stuff
1104 Newport Ave

Austin, TX 78753

(512) 837-6020

Entry Date : 5/23/2013

Print Date: 5/23/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

| | |
|---------------|---|
| Health: | 2 |
| Flammability: | 3 |
| Reactivity: | 0 |

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4
NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

| SARA 313 | Component | CAS Number | Percent Comp. | Dimension | Exposure Limits |
|-------------------------------------|--------------------------------|----------------|---------------|-----------|--|
| <input checked="" type="checkbox"/> | Isopropyl Alcohol (2-propanol) | CAS# 67-63-0 | 97.5% | V/V | OSHA TWA 400 ppm, STEL 500 ppm |
| <input type="checkbox"/> | Sodium Acetate Anhydrous | CAS# 127-09-3 | 0.16% | W/V | TXDS: orl-rat LD ₅₀ :3530 mg/Kg |
| <input type="checkbox"/> | Water, Deionized ASTM Type II | CAS# 7732-18-5 | 2.5% | V/V | None Established |

SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, Carbon dioxide, dry chemical, powder, foam.

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Fire / Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back.

Fire Fighting Procedure: Move container from fire area if possible. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Eliminate Ignition Sources. Absorb with vermiculite or other inert material. Place in container.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials. Run-off to sewer may cause fire/explosion hazard. Avoid contact with skin and clothing.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------|----------------------------|-----------------------------|---------------------------|
| Melting Point: | <0°F | Percent Volatile by Volume: | >99 |
| Boiling Point: | >175°F | Evaporation Rate | Information not available |
| Vapor Pressure: | Information not available | Evaporation Standard | Not Applicable |
| Vapor Density: | Information not available | Auto Ignition Temp | Information not available |
| Solubility in Water: | Soluble | Lower Flamm. Limit in Air | ~2% |
| Appearance /Odors: | Clear liquid, alcohol odor | Upper Flamm. Limit in Air | ~13% |
| Flash Point: | ~55°F | | |
| Specific Gravity: | <1 | | |

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Avoid contact with heat, sparks, flames, or other sources of ignition.

Materials to Avoid: Oxidizers, aluminum, barium perchlorate, ketones, strong acids

Hazardous Decomposition Products: Toxic fumes of: Carbon Monoxide, Carbon Dioxide

Hazardous polymerization: Will Not Occur

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Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: Flammable liquid, n.o.s. (Isopropanol) 3, UN1993, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Flammable! Conditions aggravated/target organs: Persons with preexisting skin, eye or respiratory conditions may be more susceptible. Acute: Irritant to eyes, skin, respiratory system, digestive tract. Dizziness, confusion, headache, vomiting, coma. Effects may be fatal. Chronic: Dermatitis, eye damage, systemic poisoning.

Flammability

Health

Reactivity

Revisions

NFPA

0.2

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