



MATERIAL SAFETY DATA SHEET

by Tyco Fire Suppression & Building Products

ANSULITE Low Viscosity 3x3 ARC

Product Code: 1011-2-031 ANa

Issue Date: 10-07-2011

1. Product and Company Identification

Material name ANSULITE Low Viscosity 3x3 ARC
Version # 05
Revision date 10-07-2011
CAS # Mixture
Product Code 1011-2-031 ANa
Product use Fire extinguishing agent
Manufacturer / Importer / Supplier
Name Tyco Fire Protection Products
Address One Stanton Street
Marinette, WI 54143-2542
Phone 715-735-7411
Internet <http://www.ansul.com>
Emergency Phone Number CHEMTREC 800-424-9300 or 703-527-3887

2. Hazards Identification

Emergency overview Causes skin and eye irritation.
OSHA regulatory status NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Potential health effects
Routes of exposure Eye contact. Skin contact.
Skin Avoid contact with the skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Inhalation May be irritating.
Ingestion Not a likely route of entry.
Target organs Eyes. Skin.
Chronic effects Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Signs and symptoms Defatting of the skin. Skin irritation.

3. Composition / Information on Ingredients

| Components | CAS # | Percent |
|--|----------|----------|
| Butyl Carbitol | 112-34-5 | 2.5 - 10 |
| Other components below reportable levels | | > 90 |

4. First Aid Measures

First aid procedures
Eye contact Rinse with water.
Skin contact Get medical attention if irritation develops and persists.
Inhalation Move to fresh air. Get medical attention, if needed.
Ingestion Rinse mouth.
Notes to physician Symptoms may be delayed.
General advice If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

Flammable properties This product is not flammable.

| | |
|---|---|
| Extinguishing media | |
| Suitable extinguishing media | This product is not flammable. Use extinguishing agent suitable for type of surrounding fire. |
| Protection of firefighters | |
| Specific hazards arising from the chemical | None known. |
| Specific methods | None known. |
| Hazardous combustion products | May include oxides of nitrogen. |

6. Accidental Release Measures

| | |
|----------------------------------|---|
| Personal precautions | Surfaces may become slippery after spillage. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |
| Methods for containment | Dike the spilled material, where this is possible. |
| Methods for cleaning up | Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Never return spills in original containers for re-use. |

7. Handling and Storage

| | |
|-----------------|--------------------------------|
| Handling | Avoid contact with skin. |
| Storage | Keep container tightly closed. |

8. Exposure Controls / Personal Protection

| | |
|---------------------------------------|---|
| Engineering controls | None known. |
| Personal protective equipment | |
| Respiratory protection | Not normally needed. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin. |

9. Physical & Chemical Properties

| | |
|---|-----------------------|
| Appearance | |
| Form | Liquid. |
| Color | Light yellow. Clear. |
| Odor | Mild. Sweet. |
| Physical state | Liquid. |
| pH | 6.5 - 8.5 |
| Melting point | Not available. |
| Freezing point | Not available. |
| Boiling point | >= 212 °F (>= 100 °C) |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Specific gravity | 1 |
| Relative density | Not available. |
| Solubility (water) | Not available. |

| | |
|---|----------------|
| Partition coefficient (n-octanol/water) | Not available |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| VOC | Not available. |

10. Chemical Stability & Reactivity Information

| | |
|----------------------------------|--|
| Chemical stability | This is a stable material. |
| Conditions to avoid | None known. |
| Incompatible materials | Alkaline metals. |
| Hazardous decomposition products | Nitrogen oxides (NOx). Sulfur oxides. Carbon oxides. |

11. Toxicological Information

| | |
|---------------------------|---|
| Toxicological information | The toxicity of this product has not been tested. |
|---------------------------|---|

Toxicological data

Components

Butyl Carbitol (112-34-5)

Test Results

Acute Dermal LD50 Rabbit: 2700 mg/kg
 Acute Oral LD50 Guinea pig: 2000 mg/kg
 Acute Oral LD50 Rabbit: 2200 mg/kg
 Acute Oral LD50 Rat: 6560 mg/kg
 Acute Other LD50 Mouse: 850 mg/kg
 Acute Other LD50 Rat: 500 mg/kg

Local effects Irritating to eyes. Mild skin irritation

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

12. Ecological Information

Ecotoxicological data

Components

Butyl Carbitol (112-34-5)

Test Results

LC50 Bluegill (Lepomis macrochirus): 1300 mg/l 96.00 hours

Ecotoxicity Not expected to be harmful to aquatic organisms.

Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Aquatic toxicity Not known.

Persistence and degradability Not available.

13. Disposal Considerations

Waste from residues / unused products Dispose of in accordance with local regulations.

14. Transport Information

DOT

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations Not regulated.
 All components are on the U.S. EPA TSCA Inventory List.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Butyl Carbitol (CAS 112-34-5) 1.0 % N230

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Butyl Carbitol (CAS 112-34-5) Listed. N230

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Acute Health - No
 Chronic Health - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|-------------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

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

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Butyl Carbitol (CAS 112-34-5) 500 LBS

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Butyl Carbitol (CAS 112-34-5) Listed.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
 Health: 1
 Flammability: 0
 Physical hazard: 0

NFPA ratings
 Health: 1
 Flammability: 0
 Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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