

MATERIAL SAFETY DATA SHEET

Supplier:

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: AWC 300 – Fiberglass/MoS₂ Filled PTFE

Date of Preparation: 31 May 2002 **MSDS No.** 6021

Not classified as hazardous according to criteria of Worksafe Australia.

Company:

A.W. CHESTERTON COMPANY

225 Fallon Road

Stoneham, MA 02180-2999, USA

Tel.: 781-438-7000

(Mon. - Fri. 8:30 - 5:00 PM EST)

For Chemical Emergency:

24 hours per day, 7 days per week Call Infotrac: 1-800-535-5053

Outside N. America: 352-323-3500 (collect)

Use: PTFE compound operating temperatures -50°C (-60°F) through 180°C (365°F). Material compatible with most

petroleum based lubricants, water mixtures and most synthetic fluids.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients[†]

% Wt. CAS No.

EC No.

Symbol

R-phrases

This product is not classified as a "hazardous material" in normal use as defined in:

- *29 CFR 1910.1200, 1915, 1916, 1917
- *Massachusetts Right-To-Know Law, Chapter 40, Acts and Resolves of 1983 (M.G.L.O. 111F)
- *Canadian WHMIS regulations
- *European Council Directive 67/548/EEC and 99/45/EC
- *Worksafe Australia [NOHSC: 1008 (1999)]

3. HAZARDS IDENTIFICATION

None expected in industrial use. PTFE is nonhazardous at ambient temperatures. At temperatures above 260°C (500°F), toxic decomposition products may be emitted. Due to toxic decomposition, avoid smoking (wash hands to avoid transfer to tobacco products) when handling PTFE products.

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4. FIRST AID MEASURES

Inhalation: If overcome by decomposition fumes, remove to fresh air. If not breathing, administer artificial

respiration. Contact physician immediately.

Skin Contact: not applicable

Eye Contact: not applicable

Ingestion: not applicable

Advice to Physician: Treat symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing Methods: Use extinguisher appropriate to surrounding fire.

Unusual Fire and Explosion

present.

Hazards:

Special Fire Fighting Measures: Recommend Firefighters wear self-contained breathing apparatus.

Product will burn in an atmosphere of > 95% oxygen, when an ignition source is

Flammability Classification: -

HAZCHEM Emergency Action Code: not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Utilize exposure controls and personal protection as specified in Section 8.

Environmental Precautions: No special requirements.

Methods of Clean Up: No special steps required. Nontoxic.

7. HANDLING AND STORAGE

Handling: Do not smoke when handling PTFE products; wash hands after handling to avoid transfer to tobacco products.

Storage: Store in a cool, dry area. Keep away from food products.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Respiratory Protection: not applicable

Ventilation: No special requirements. If using under extreme heat, use local exhaust.

Protective Gloves: not applicable

Eye Protection: not applicable

Other: none

9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical state | solid | Odour | odorless |
|------------------------|----------------|-------------------------------|----------------|
| Colour | varies | Vapour pressure @ 20°C | not applicable |
| Initial boiling point | not applicable | % Aromatics by weight | none |
| Melting point | not applicable | pН | not applicable |
| % Volatile (by volume) | 0 | Density | not applicable |
| Flash point | not applicable | Weight per volume | not applicable |
| Method | none | Coefficient (water/oil) | not applicable |
| Viscosity | not applicable | Vapour density (air=1) | not applicable |
| Autoignition temp. | not applicable | Rate of evaporation (ether=1) | not applicable |
| Explosion limits | not applicable | Solubility in water | insoluble |
| | | Other | none |
| | | | |

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Carbon Monoxide, Carbon Dioxide, trace amounts of Hydrogen fluoride,

Products: Perfluorocarbon olefins, and other toxic fumes may be evolved above 260°C (500°F).

Conditions to Avoid: Extreme heat above 260°C (500°F).

Materials to Avoid: Oxidizers, Fluorine, Chlorine Trifluoride and related compounds and molten alkali

metals.

11. TOXICOLOGICAL INFORMATION

Primary Route of Exposure Under Inhalation (PTFE decomposition fumes).

Normal Use:

Acute Effects: PTFE is nonhazardous at ambient temperatures. However, small quantities of toxic

gases may be produced at temperatures above 260°C (500°F), due to PTFE

decomposition. Inhalation of these decomposition products may cause temporary flu-

like symptoms.

Chronic Effects: none

Other Information: As per 29 CFR 1910.1200 (Hazard Communication), this product contains no

carcinogens as listed in the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health

Administration (OSHA).

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12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

Mobility: Solid. Insoluble in water. In determining environmental mobility, consider the product's physical and

chemical properties (see section 9).

Degradability: PTFE: nonbiodegradable.

Accumulation: not determined

Ecotoxicity: PTFE: nontoxic.

13. DISPOSAL CONSIDERATIONS

Unused product is not a regulated waste. Check local, state and national/federal regulations and comply with the most stringent requirement.

Shipping Name: NONHAZARDOUS

EWC-code: -

14. TRANSPORT INFORMATION

TDG: NONHAZARDOUS, NOT REGULATED U.S. DOT:

IMDG: NONHAZARDOUS, NOT REGULATED Hazard Class: NOT REGULATED

UN/NA #: NOT APPLICABLE

IATA/ICAO: NONHAZARDOUS, NOT REGULATED Packaging Group # NOT APPLICABLE Emergency Response Guide Book No. - NOT

ADR/RID: NONHAZARDOUS, NOT REGULATED APPLICABLE

15. REGULATORY INFORMATION

European Classification: none

R-Phrase(s):

S-Phrase(s):

Name of the substances on the none

label:

Other information: none

Canadian Classification: none

Risk Phrase(s):

Precautionary and First Aid

Measure(s):

Other information: none

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| SEPA SARA TITLE III | 16. OTHER INFORMATION | | | | | | |
|--|-----------------------|---------------------|--|-----------------------|--|--|--|
| None None | US EPA SARA TITLE III | | Hazardous Materials Identification System (HMIS) | | | | |
| None None 2 = Moderate Hazard FLAMMABILITY 0 REACTIVITY 1 Personal Protection * | 312 Hazards : | 313 Chemicals : | | HEALTH 0 | | | |
| JAPAN PRTR Class I Chemicals : None None None Changes to the MSDS in this revision: original issue. | None None | | | FLAMMABILITY 0 | | | |
| * = See Section 8 Personal Protection * | | | | REACTIVITY 1 | | | |
| None None Changes to the MSDS in this revision: original issue. | | | | Personal Protection * | | | |
| None None Changes to the MSDS in this revision: original issue. | | | | · | | | |
| Changes to the MSDS in this revision: original issue. | JAPAN PRTR | Class I Chemicals : | Class II Chemicals: | | | | |
| | | None | None | | | | |
| This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is | | | | | | | |

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the accuracy of the data or the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.