

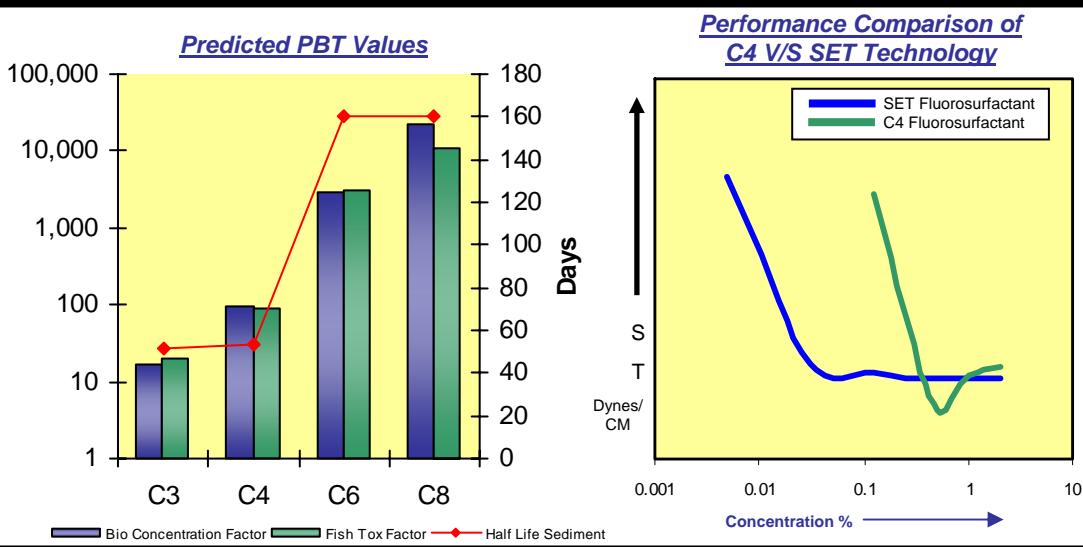


## Technical Information

### SET Fluorochemicals

#### Specialty Fluorochemicals

Using a novel patented technology, our SET fluorochemicals were created to provide the optimum balance between fluorine performance and environmental profile. Our SET fluorochemicals are small molecular weight branched CF<sub>3</sub> compounds specifically designed to concentrate the fluorine content on the surface of the molecule. As shown in the graph below, our CF<sub>3</sub> fluorochemicals have much lower PBT values than longer chain PFOA-related chemicals. SET fluorochemicals reduce the environmental risk without limiting the performance benefits of fluorine. Offering maximum functionality, SET fluorochemicals can be used in many applications requiring a rapid decrease in surface energy.



| <u>Fluorosurfactants</u>   | <u>Paper Coatings</u>   | <u>Textile</u>   |
|--|---|--|
| <p>SET fluorosurfs (anionic, cationic, amphoteric &amp; nonionic) are available as samples</p> <ul style="list-style-type: none"> <li>AFFF</li> <li>Leveling Agents</li> <li>Floor Care</li> <li>Coatings</li> <li>Foam Blowing</li> </ul> | <p>SET fluorochemicals (phosphate esters &amp; chrome complexes) with different functionality can be made available as samples.</p> <ul style="list-style-type: none"> <li>Food paper pkg.</li> <li>Food service</li> </ul> | <p>SET fluorochemicals (acrylates, alcohols &amp; urethanes) with different functionality can be made available as samples</p> <ul style="list-style-type: none"> <li>Fabric</li> <li>Carpets</li> </ul> |

The information supplied is presented in good faith and has been derived from sources believed to be reliable. Since conditions of use are beyond our control, all risks are assumed by the user. No representation is expressed or implied, and nothing herein shall be construed as permission or recommendation to practice a patented invention without license



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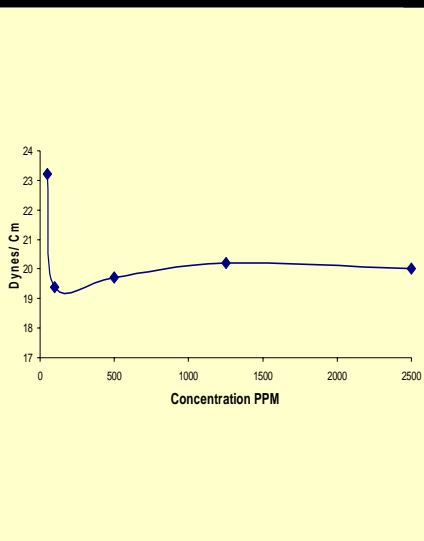
#### CN 3001

#### SET Specialty Fluorosurfactant

CN 3001 is a small molecular weight branched CF<sub>3</sub> amphoteric fluorosurfactant designed to concentrate the fluorine content on the surface of the molecule. Created by our patented short three-carbon chain structure, CN 3001 is not related to telomer processes or PFOA by-products. CN 3001 is believed to be environmentally friendly and low in PBT. \*

Chemical Name: (Branched-Bis-Iso-F7Sulfonylamide/N-Dimethyl-Oxide)

CAS Reg. Number: [Not available]



#### Typical Properties

|                                   |                |
|-----------------------------------|----------------|
| Appearance                        | White semi gel |
| Molecular Weight                  | 602            |
| Density @ 20 °C g/cm <sup>3</sup> | 1.12           |
| Water Solubility                  | Up to 15%      |
| Water                             | 90%            |

#### Other Properties

Amphoteric surfactant  
No change in performance over varying PH values

This product is produced as a sample and shipped as a 10% solution in water only.

SET fluorosurfactants replace longer chain perfluorinated chemicals in many applications requiring a rapid decrease in surface tension at low concentration levels. CN 3001 is a next generation amine oxide amphoteric fluorosurfactant that provides outstanding surface reduction capabilities at low concentration levels in water. Typical applications for CN 3001 include as a foamer for fire fighting foam and as a replacement for more expensive silicone surfactants.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials.

This product is not approved by U.S. regulatory agencies for commercial use. However, it can be used for research and development purposes. For additional handling and toxicological information, please consult the company's Material Safety Data Sheet or the regulatory department of Great Lake Chemical Corporation

\* As per EPA's computer model to predict PBT.

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A Chemtura Company

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<http://www.chemtura.com>

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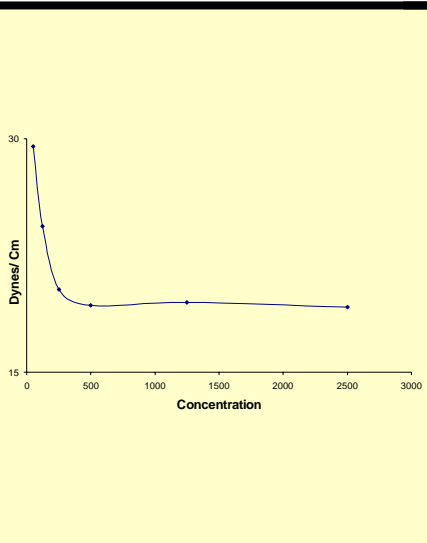
### CN 3088

#### SET Specialty Fluorosurfactant

CN 3088 is a small molecular weight branched CF<sub>3</sub> amphoteric fluorosurfactant designed to concentrate the fluorine content on the surface of the molecule. Created by our patented short three-carbon chain structure, CN 3088 is not related to telomer processes or PFOA by-products. CN 3088 is believed to be environmentally friendly and low in PBT. \*

Chemical Name: (Branched-Bis-Iso-F7Sulfonylamide/N-Dimethyl-Oxide)

CAS Reg. Number: [Not available]



#### Typical Properties

|                                   |                |
|-----------------------------------|----------------|
| Appearance                        | White semi gel |
| Molecular Weight                  | 588            |
| Density @ 20 °C g/cm <sup>3</sup> | 1.12           |
| Water Solubility                  | Up to 15%      |
| Water                             | 90%            |

#### Other Properties

Amphoteric surfactant, good foamer  
No change in performance over varying PH values

This product is produced as a sample and shipped as a 10% solution in water only

SET fluorosurfactants replace longer chain perfluorinated chemicals in many applications requiring a rapid decrease in surface tension at low concentration levels. CN 3088 is a next generation amine oxide amphoteric fluorosurfactant that provides outstanding surface reduction capabilities at low concentration levels in water. Typical applications for CN 3088 include as a foamer for fire fighting foam and as a replacement for more expensive silicone surfactants.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials.

This product is not approved by U.S. regulatory agencies for commercial use. However, it can be used for research and development purposes. For additional handling and toxicological information, please consult the company's Material Safety Data Sheet or the regulatory department of Great Lake Chemical Corporation

\* As per EPA's computer model to predict PBT.

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