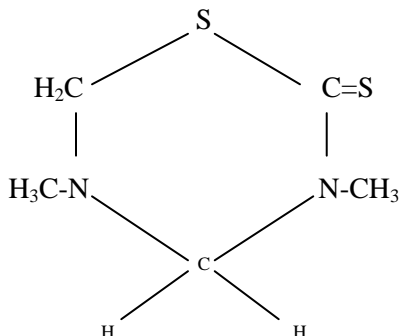




N-521 DISPERSION

Tetrahydro-3,5-dimethyl-2H,3,5-thiadiazine-2-thione (20% Dazomet)



N-521 DISPERSION is recommended for use in paper and paper board processing and other applications such as, high viscosity suspensions, (starches, adhesives, glues, coating, paints, resin emulsions), dispersed pigments, including: clay, calcium carbonates, titanium dioxide or other pigments used in the manufacture of paper and paperboard.

TYPICAL PROPERTIES

| | |
|---------------------|-------------------------|
| Composition | 20% Dazomet |
| Description..... | White Aqueous Liquid |
| Odor..... | Nearly odorless |
| % Volatiles..... | 0.30 max. @ 80% (water) |
| Iron, ppm..... | 1 max. |
| pH..... | 8.25 |
| Viscosity 25°C..... | @ 2000 CPS |

STABILITY

N-521 DISPERSION under ambient conditions is stable for one to two years. The presence of heavy metal salts accelerates the breakdown of **N-521 DISPERSION** without affecting the biological activity. **Chlorine, in excess of 10 ppm in water solutions, also** accelerates the breakdown but in addition reduces the biological activity of the decomposition products.

ACTIVITY

Various data indicate that the activity of **N-521 DISPERSION** is due not to the compound itself but its decomposition products.

RECOMMENDED USES AND APPLICATIONS

N-521 DISPERSION is recommended for use in paper and paperboard processing and other applications such as clay processing and processing of aqueous suspensions and dispersions.

N-521 DISPERSION is effective in inhibiting the growth of fungi and bacteria which cause microbiological degradation and slime formation in slurries and high viscosity suspensions (starches, adhesives, clay slurries, glues, coatings, resin emulsions, etc.) during processing at use levels of 0.01% to 0.5% by weight. Actual use levels required for the preservation of specific formulations will vary depending upon the ingredients, temperature, storage conditions, and time and should be determined by actual test. For preservation of aqueous systems **N-521 DISPERSION** should be added at a point in the processing where there will be sufficient time and agitation for thorough dispersion.

Since the systems and formulations to be treated will vary. Verichem can provide laboratory assistance and technical consultation in determining the effectiveness of **N-521 DISPERSION** in specific applications and for determining actual dosages necessary to provide an effective control program.

PRECAUTIONS

N-521 DISPERSION should not be used in formulations containing Mercurials or other components that are not compatible with Sulfur compounds.

Do not use in water intended for human consumption.

HANDLING PRECAUTIONS

In handling **N-521 DISPERSION**, normal care should be taken to avoid inhaling the aerosols of the dispersion or having it come in prolonged contact with exposed portions of the body as in some cases it may be mildly irritating.

AVAILABILITY

N-521 DISPERSION is available in commercial quantities as a 20% Aqueous Solution.

Material is shipped in 5 gallon and 55 gallon HDPE containers totes and tank trucks.



For more information call: 1 800 778-5462 • FAX 1 412 331-7884
Or write VERICHEM, 3499 Grand Avenue, Pittsburgh, Pennsylvania 15225

CHEMICAL SOLUTIONS FOR MICROBIOLOGICAL PROBLEMS