



S-19

PRODUCT DESCRIPTION

S-19 combines an effective emulsifier and powerful solvents to dissolve sludge accumulation in fuel oil storage tanks, oil heaters and transfer lines. The water/oil emulsifying properties of S-19 help reduce fuel system corrosion, reduce burner deposits, and help maintain proper flame pattern.

Reducing problems associated with tank bottom sediment and water will reduce fuel storage and handling costs. Tank sludge reduces storage volume and contributes to poor combustion efficiency.

TYPICAL PROPERTIES

Appearance	Clear, colorless to pale yellow liquid
Flash Point	141°F (60°C)
Freeze Point	-8°F (-22°C)
Non-volatile Content	26-29%
Density	7.2-7.3 lb/gal (0.86-0.87 kg/l)

FREEZE-THAW STABILITY

Complete recovery with mixing. Warm frozen material to approximately 70°F (21°C) before mixing. Do not inject live steam to heat/thaw.

CONTROLS

Inspection of tank, transfer lines and burners for deposition or cleanup. Bacon Bomb to determine sludge levels in storage tanks.

OPERATING PARAMETERS

When dissolving large quantities of sludge, a sediment of hard-to-dissolve sludge particles may persist. Sand, wood splinters and tank scale or rust are examples of materials which will not be dissolved by S-19.

Water contamination from steam tracing leaks or condensation in the storage tank can cause corrosion of steel tank and piping surfaces. The iron released can act as a catalyst to polymerize the heavier hydrocarbons present in oil. These deposits can be dissolved by S-19. Whenever water exceeds 1% of tank capacity, it should be removed mechanically.

FEEDING PROCEDURES

To dissolve tank sludge, slug feed to the fuel oil storage tank. Slug feeding to unloading lines and proportional feeding to recirculating lines are both adequate.

FEEDING EQUIPMENT

Storage tanks should be steel. Gauge glasses should be constructed of glass. Do not use plastic. Feed pumps and lines should be stainless steel.

DOSAGE

- 1 qt. - 2 gal/1000 gals. (250 ml-2 liter/1000 liters) fuel oil Grades 4, 5 and 6
- 1 pt/1000 gals. (125 ml/1000 liters) diesel and fuel oil, Grade 2

SHELF LIFE AND STORAGE

Store in a dry, well-ventilated location away from excessive heat and open flame. Keep container closed when not in use. The recommended shelf life is one year after receipt of product.

PACKAGING

S-19 is available in 5 gallon (19 liter) plastic containers, 55 gallon (208 liter) metal drums, liquid totes and bulk.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
Internet <http://www.cortecvci.com>

Distributed by:



OTiK Sp. z o.o.
ul. Hutnicza 4
81-061 Gdynia
tel.: 58 6230498
fax: 58 6230496
otik@use.pl
www.inhibitory.use.pl

printed on recycled paper  10% post consumer

Revised 2/20/01. Cortec Corporation 2001. All rights reserved. Supersedes: 7/2/98.



Certificate No. 70781