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SI D9F ALL #3,

TECHNICAL PRODUCT BULLETIN #SW-2 (formerly #D-20)
 USEPA, OIL PROGRAM CENTER
 ORIGINAL LISTING DATE: JANUARY 7, 1985
 REVISED LISTING DATE: AUGUST 21, 1995
 "SUPERALL #38"

I. NAME, BRAND, OR TRADEMARK

SUPERALL #38
 Type of Product: Surface Washing Agent (Oil and Petroleum Cleaning Agent)

II. NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER/CONTACT

SuperAll Products LLP
 22215 Tuwa Rd.
 Tomball, TX 77375
 Phone: (281) 351-4800
 Fax: (281) 351-4855
 (Mr. Sammy Roberts)

III. NAME, ADDRESS, AND TELEPHONE NUMBER OF PRIMARY DISTRIBUTORS

SuperAll Environmental LLC
 22215 Tuwa Rd.
 Tomball, TX 77375
 Phone: (281) 351-4800
 Fax: (281) 351-4855
 (Mr. Sammy Roberts)

IV. SPECIAL HANDLING AND WORKER PRECAUTIONS FOR STORAGE AND FIELD APPLICATION

1. Flammability:
SUPERALL #38 is non-flammable
2. Ventilation:
Normal type household ventilation is adequate for handling and storage.
3. Skin and eye contact; protective clothing; treatment in case of contact:
In case of contact with eyes, wash thoroughly with large amounts of water. If irritation persists, seek medical attention. Use protective gloves for manual cleaning.
- 4a. Maximum storage temperature: 120°F
- 4b. Minimum storage temperature: 20°F
- 4c. Optimum storage temperature range: 40°F to 100°F
- 4d. Temperatures of phase separations and chemical changes:
SUPERALL #38 has a pour point of 20°F and a boiling point of 212°F.

V. SHELF LIFE

SUPERALL #38 has a shelf life of not less than two years.

VI. RECOMMENDED APPLICATION PROCEDURE

1. Application Method:
For general use, apply by spray, mop, etc. Agitate severe spots and rinse thoroughly for a residue-free surface.

2. Concentration/Application Rate:
Dilute as noted below:

DILUTION TABLE

APPLICATION	SUPERALL #38	WATER
Normal cleaning*	1 part	up to 20
Heavy cleaning**	1 part	up to 15
Severe cleaning***	1 part	up to 5
Steam cleaning	1 part	up to 50
Pressure wash	1 part	up to 30

*Rigs and platforms, bilges, decks, waterline scum, shop machinery and equipment.

**Degasing tanks and barges, engine rooms and soot, oil stained concrete, petroleum based drilling muds.

***Black magic, Bunker C, crude oil, holding tanks, grease traps.

DO NOT USE UNDILUTED ON COMPOSITION FLOORS, WATER BASE PAINTED SURFACES, OR ALUMINUM.

3. Conditions for Use:
Recommended for cleaning petroleum fractions from decks, platforms, bilges, rigs, and other seagoing equipment, as noted above.

VII. TOXICITY

a. Toxicity

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Material Tested	SPECIES	LC50 (ppm)
SUPERALL #38	Menidia	156.60
	beryllina	96-hr
	Mysidopsis bahia	115.80 48-hr
No. 2 Fuel Oil	Menidia	
	beryllina	6.40 96-hr
	Mysidopsis bahia	1.30 48-hr
SUPERALL #38 & No. 2 Fuel Oil (1:10)	Menidia	
	beryllina	4.60 96-hr
	Mysidopsis bahia	5.00 48-hr
Reference Toxicant (DSS)	Menidia	
	beryllina	1.60 96-hr
	Mysidopsis bahia	10.00 48-hr

NOTE: This toxicity data was derived using the concentrated product. See Section VI of this bulletin for information regarding the manufacturer's recommendations for concentrations and application rates for field use.

VIII. MICROBIOLOGICAL ANALYSIS

NA

IX. PHYSICAL PROPERTIES

1. Flash Point: > 212 F
2. Pour Point: 20 F
3. Viscosity: 30.53 SUS at 100 F
4. Specific Gravity: 1.06 at 70 F
5. pH: 12.6
6. Surface Active Agents: CONFIDENTIAL
7. Solvents: None
8. Additives: CONFIDENTIAL
9. Solubility: Miscible with water

X. ANALYSIS FOR HEAVY METALS, CYANIDE, AND CHLORINATED HYDROCARBONS

COMPOUND	CONCENTRATION (ppm)
Arsenic	0.05
Cadmium	< 0.002
Chromium	0.031
Copper	0.25
Iron	2.8

Lead	0.02
Mercury	< 0.01
Nickel	< 0.01
Zinc	0.25
Cyanide	< 0.1
Polychlorinated Biphenyls	< 0.1
Chlorinated Pesticides	< 0.1

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