Spilfyter Product Data Sheet

PRODUCT CODE: 270006

PRODUCT TYPE: Spill Kit - Grab & Go® Dry Base Neutralizer
5 Gallon Bucket

RANGE: Redline

COMPONENTS: • (3) 3”x4’ Hazmat Socks (S2-30) • (10) 12”x12” Hazmat Pads (S2-71) • (10#) KOLOR-SAFE® Dry Base Neutralizer (450010) • (2) Chemical Classifier Strips (570010) • (1) Chemical Classifier Chart (577777) • (1) Scoop w/Detachable Scraper
• (1 pr.) Nitrile Gloves • (1 pr.) Splash Goggles • (1) Disposal Bag & Twist Tie • (1) 5 Gallon Plastic Bucket with Snap-On Lid

BALE WEIGHT (LBS): 20 **BALE WEIGHT (KG):** 9

ABSORBENCY (GALLONS): 3 **ABSORBENCY (LITERS):** 12

PACKAGING: Bucket

PACK QTY: 1

PALLET COUNT: 48

FEATURES / BENEFITS: Features Spilfyter®’s unique KOLOR-SAFE® Dry Neutralizers that change color to indicate that neutralization is complete.

Chemical Risk	Limits of Sensitivity
Acid of Base (pH)	0-13
Oxidizers	1 mg/L (1 ppm)
Fluoride	20 mg/L (20 ppm)
Petroleum Product/ Organic Solvent	10 mg/L (10 ppm)
Iodine/Chlorinie/Bromine	1 mg/L (1 ppm)

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HOW TO USE CLASSIFIER STRIPS:
1. Keep Classifier dry until ready to use to avoid premature activation of the test strips. Avoid touching or contaminating test area on strip.
2. Wastewater tests can be conducted in stages or all at once by removing one or more of the TABS.
3. Fan Classifier in gas zone just above the level of solution to be tested. Observe test results.*
4. Dip Classifier vertically into solution (test end first).
5. Leave test strip in solution for 30 seconds, swishing if possible.
6. After removing test strip from solution
IMMEDIATELY LAY FLAT on Color Chart.**
* Classifier Strips are intended to be used for one wet testing procedure. Testing for vapors is considered part of a single test.
** If Classifier is dipped or held in the incorrect position, bleeding from Test #1 may interfere with tests #2, #4 and/or #5.

STABILITY AND STORAGE
Remove only as many strips as are required and reseal the container immediately after use. Do not touch test papers! Avoid exposing the strips to sunlight and moisture. Store the container in a cool dry place 68°F or 20°C. Original color of test papers may vary. (Exp. Date due to oxidizer test lifespan.)

INTERFERENCES
Concentrated acidic solutions tend to totally destroy indicators impregnated in papers. Bleeding of the indicator dyes and extreme pH values are good evidence of indicator dye destruction. In the event of such a strong solution dilution may be needed for an accurate analysis. Heavy oils may saturate test papers and mask test colors. Opaque solutions may mask colors. Lightweight organic solvents may contaminate and cause the blue indicator to bleed in TEST #4 (Chemical) or TEST #3 (Wastewater). Volatile organics may vaporize before reading can be made.

Test #2 – Oxidizer test-strongly acidic, basic solutions, may cause false positives.
Test #3 – Fluoride test-Chlorates, Bromates and Sulfates result in whitening of the test paper if present in large quantities.
Test #5 – Free HNO2 (not nitrite ions) may cause false positives.

Chemical	Concentration		Volume (900g Neutralizes)		Aprox. Amount Required to Handle 1 gal. (3.78L) Acid Spill	
	% by Wt	Molarity	Pints	Liters	Lbs	Kg
Ammonium Hydroxide (NH40H)	61.7 (30% NH4)	14.8	2.0	0.95	8.0	3.6
	42.2 (20% NH3)	9.8	3.04	1.44	5.3	2.4
	20.6 (10% NH3)	4.9	6.08	2.88	2.6	1.2
	10.3 (5% NH3)	2.4	12.46	5.90	1.3	0.6
Potassium Hydroxide (KOH)	50	13.4	2.1	1.05	7.2	3.3
	40	10.7	2.78	1.32	5.6	2.6
	20	5.3	5.64	2.67	2.8	1.3
	10	2.6	11.49	5.44	1.4	0.6
Sodium Hydroxide (NaOH)	50	19.2	1.54	0.73	10.40	4.7
	40	15.3	1.94	0.92	8.30	3.8
	30	11.5	2.94	1.23	6.20	2.8
	10	3.8	7.86	3.72	2.0	0.9

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HOW TO USE KOLOR-SAFE® DRY BASE NEUTRALIZERS:
1. Evacuate employees from the spill area.
2. Wear personal protective equipment compatible with chemicals involved.
3. Ventilate the contaminated area.
4. Contain the spill with universal sorbent material.
5. Slowly sprinkle or pour the base neutralizer on the spilled caustic.
CAUTION: Some HEAT or GASSING OUT may be generated.
6. The color change indicator changes from PURPLE to BLUE during neutralization. Color change must occur.
7. Apply dry base neutralizer until the color change indicator first turns a yellowish color. Do Not Over-Neutralize. NOTE: Very concentrated solutions will yield solid precipitates before the color change.
8. Allow neutralized liquid to cool.
9. Soak up remaining neutralized liquid with sorbent materials.
10. Place used sorbents into temporary disposal bags.
11. Wipe up residue with non-woven cloth material.
12. Dispose of all used articles (sorbents, neutralized liquid, etc.) according to local, state and federal regulations.
NOTE: Depending on the extent of the clean-up process, additional equipment may be required.
CAUTION: Do not use KOLORSAFE® Dry Base Neutralizer on any solution containing (in any form) metallic nitrates, cyanides, sulfides, strong oxidizers, or hypochlorite (i.e. sodium/calcium) solutions since dangerous gases will be generated.

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