

# Safety Planning for Battery VS

「友達が迷惑を掛けないように」——



### OSHA対応

仕事上の安全を管轄するOSHAで規定する「コントロール不可能な状況での危険物流の状況下」(OSHA1910.1200)で流出中和法「予測できる緊急事態の対応」(OSHA1926.441&1910.178)に対応。

## VS: バッテリー環境安全計画

VS「ブイエス」はバッテリー環境安全計画の新しいラインナップ。新しい製品ですがバッテリーの現場には即導入いただきたい製品群です。誤ってバッテリーを転倒させバッテリー液が床にこぼれてしまった。こんなときはすぐVSベータを液に振りかけ素早く吸収させ処理しましょう。



電解液がこぼれた! 電解液にVSベータを散布 掃き取って完了

こぼれた電解液1に対し2の割合で使用すると、約3分で中和され乾いた粉状になります。

## VSアルファはバッテリーをキレイにする中和・洗浄剤。



キャップ付近に溢れたバッテリー液はそのまま拭き取って捨てると「不法投棄」! VSアルファでシュッシュッと中和(色が変わらなくなれば中和完了、無害です)させて拭き取りましょう。  
※バッテリーのターミナル・コネクターの腐食も防止します。

### 電解液の中和・洗浄剤 (変色反応機能付)



バッテリー上部に吹きつけ ピンク色に 色が変わらなくなれば中和完了 布で吹き取る

## その現場にVS KIT



バッテリーを扱われる方のためのゴーグル、エプロンなどをセットした安全キットです。あなたの現場のバッテリー環境安全計画はVSシリーズの完備で完璧です。

★VSシリーズは石油蒸留液など危険な成分は含んでおりません。

# 製品安全データシート

## 「VSは危険な成分を含みません。」

### ■VS-β バッテリー液吸着剤 (Neutralizing Acid Absorber/RG-3020)

MATERIAL SAFETY DATA SHEET			
N/A = Not Applicable		Effective Date 1/95 Rev: 3/05	
** EMERGENCY CONTACT: RAMSEY GROUP, Inc. 828-684-4952 ** 32 Old Shoals Road Arden, N.C. 28704			
SECTION 1 PRODUCT IDENTIFICATION			
PRODUCT NAME: Neutralizing Acid Absorber™	NPCA Hazard Material ID System		
GENERIC NAME: Dry powder Chemical Blend	Health	0	
PROPER SHIPPING NAME: N/A	Flammability	0	
	Reactivity	0	
	Max Personal Protection	Sect 8	
SECTION 2 INGREDIENTS			
CHEMICAL NAME	CAS No.	Wt %	PEL TWA-TLV CARCINOGEN
This Product Contains No Hazardous Ingredients.			
SECTION 3 PHYSICAL DATA		SECTION 4 FIRE & EXPLOSION HAZARD	
BOILING RANGE: N/A	FLASH POINT: N/A		
VAPOR PRESSURE: N/A	UPPER EXPLOSIVE LIMIT: N/A		
VAPOR DENSITY: N/A	LOWER EXPLOSIVE LIMIT: N/A		
% VOLATILE: N/A	EXTINGUISHING METHOD: N/A		
SOLUBILITY IN WATER: Partial / Absorbs Water	SPECIAL FIRE FIGHTING PROCEDURE: N/A		
PHYSICAL DESCRIPTION: Light Brown Powder / No Odor	UNUSUAL FIRE & EXPLOSION HAZARD: Useful in suffocating some fires		
SPECIFIC GRAVITY: 1.4 - 1.6			
pH: N/A			
EVAPORATION RATE: N/A			
SECTION 5 REACTIVITY DATA		SECTION 6 STORAGE AND HANDLING	
STABILITY: Stable	PRECAUTIONS IN HANDLING & STORAGE: For use by trained personnel only. Keep container upright and closed during storage. Follow good personal hygiene.		
INCOMPATIBILITY: None Known			
HAZARDOUS DECOMPOSITION PRODUCTS: None known			
HAZARDOUS POLYMERIZATION: None Known			
SECTION 7 HEALTH HAZARDS & FIRST AID			
EFFECTS OF OVEREXPOSURE:		FIRST AID PROCEDURE:	
Skin: No adverse effects likely.		Skin: Wash residual material off skin with water.	
Eyes: No adverse effects likely.		Eyes: Flush residual material from eyes with water.	
Inhalation: Large amounts may irritate respiratory system.		Inhalation: Remove to fresh air.	
Ingestion: Large amounts may result in nausea.		Ingestion: Induce vomiting to purge.	
SHOULD SYMPTOMS PERSIST - - SEEK MEDICAL ATTENTION			
SECTION 8 SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION: Local ventilation	VENTILATION: Local Ventilation.		
PROTECTIVE GLOVES: Chemical resistant	EYE PROTECTION: Safety goggles or face shield.		
OTHER PROTECTIVE EQUIPMENT: Follow safety procedures for material to be neutralized.			
SECTION 9 SPILL OF LEAK PROTECTION INFORMATION			
MATERIAL RELEASE OF SPILL: Sweep or Vacuum.		WASTE DISPOSAL METHOD: Consistent with federal, state, & local regulations.	



MATERIAL SAFETY DATA SHEET			
N/A = Not Applicable		Effective Date 1/95 Rev: 3/05	
3/05 ** EMERGENCY CONTACT: RAMSEY GROUP, Inc. 828-684-4952 ** 32 Old Shoals Road Arden, N.C. 28704			
SECTION 1 PRODUCT IDENTIFICATION			
PRODUCT NAME: Neutra Clean™ (RG-2500)	NPCA Hazard Material ID System		
GENERIC NAME: Industrial Cleaner	Health	2	
PROPER SHIPPING NAME: N/A	Flammability	0	
	Reactivity	0	
	Max Personal Protection	Sect 8	
SECTION 2 INGREDIENTS			
CHEMICAL NAME	CAS No.	Wt %	PEL TWA-TLV CARCINOGEN
This Product Contains No Hazardous Ingredients.			
SECTION 3 PHYSICAL DATA		SECTION 4 FIRE & EXPLOSION HAZARD	
BOILING RANGE: 212 F initial	FLASH POINT: N/A		
VAPOR PRESSURE: 22mmHg	UPPER EXPLOSIVE LIMIT: N/A		
VAPOR DENSITY: >1	LOWER EXPLOSIVE LIMIT: N/A		
% VOLATILE: N/A	EXTINGUISHING METHOD: N/A		
SOLUBILITY IN WATER: Complete	SPECIAL FIRE FIGHTING PROCEDURE: N/A		
PHYSICAL DESCRIPTION: Orange Liquid	UNUSUAL FIRE & EXPLOSION HAZARD: N/A		
SPECIFIC GRAVITY: 1.02			
pH: 10 - 11			
EVAPORATION RATE: <1			
SECTION 5 REACTIVITY DATA		SECTION 6 STORAGE AND HANDLING	
STABILITY: Stable	PRECAUTIONS IN HANDLING & STORAGE: For use by trained personnel only. Keep container closed during storage. Follow good personal hygiene.		
INCOMPATIBILITY: None Known			
HAZARDOUS DECOMPOSITION PRODUCTS: None Known			
HAZARDOUS POLYMERIZATION: Will not occur.			
SECTION 7 HEALTH HAZARDS & FIRST AID			
EFFECTS OF OVEREXPOSURE:		FIRST AID PROCEDURE:	
Skin: Prolonged exposure may cause irritation.		Skin: Remove contaminated clothing. Flush with water.	
Eyes: Prolonged exposure to liquid & mist may cause irritation.		Eyes: Flush eyes with large amounts of water for 15min.	
Inhalation: Mist may irritate nasal passages		Inhalation: Remove to fresh air.	
Ingestion: Irritating to mouth throat and stomach		Ingestion: Do not induce vomiting. Drink water.	
SHOULD SYMPTOMS PERSIST - - SEEK MEDICAL ATTENTION			
SECTION 8 SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION: Local ventilation	VENTILATION: Local ventilation.		
PROTECTIVE GLOVES: Chemical resistant	EYE PROTECTION: Safety goggles with side shields or face shields.		
OTHER PROTECTIVE EQUIPMENT: Follow safety procedure for material to be neutralized.			
SECTION 9 SPILL OF LEAK PROTECTION INFORMATION			
MATERIAL RELEASE OF SPILL: Mop up or absorb with inert material.		WASTE DISPOSAL METHOD: Consistent with federal, state, & local regulation	

### ■VS-α バッテリー液中和クリーナー (Neutra Clean/RG-2500)