

Safety Planning for Battery VS

電解液の中和 吸着剤 / クリーナー

パルスジェネテック株式会社

ブイエス アルファ / ベータ

希硫酸(バッテリー液)の適切で安全な処理をご提案します。

充電時に液があふれたり、比重測定の時に液をこぼしたりしたことはありませんか。希硫酸を拭き取ってそのまま廃棄したり水で流したりするのは環境的にも良くありません。ブイエスで中和処理をすれば環境面・安全面でもお役に立ちます。

クリーナー



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

吸着剤



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。こんなときはスグ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。

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			
INCOMPATIBILITY: None Known	For use by trained personnel only.			
HAZARDOUS DECOMPOSITION PRODUCTS: None known	Keep container upright and closed during storage.			
HAZARDOUS POLYMERIZATION: None Known	Follow good personal hygiene.			
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		
** 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			
INCOMPATIBILITY: None Known	For use by trained personnel only.			
HAZARDOUS DECOMPOSITION PRODUCTS: None Known	Keep container closed during storage.			
HAZARDOUS POLYMERIZATION: Will not occur.	Follow good personal hygiene.			
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 バッテリー液中中和クリーナー (Neutra Clean/RG-2500)