

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: VWIPE BATTERY ACID CLEANING WIPES PRODUCT CODE: 1525
PRODUCT USE: PRE-MOISTENED WIPES
SUPPLIER: BRODI SPECIALTY PRODUCTS LTD.
ADDRESS: 3175 14TH AVENUE, UNIT 1, MARKHAM, ON L3R 0H1
TELEPHONE NUMBER: (905) 475-6084 Fax: (905) 475-6075

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS Number	Weight %	Exposure Limits	
			OSHA PEL	ACGIH TLV
Potassium carbonate	584-08-7	5 – 10 %	Not established.	
Sodium carbonate	497-19-8	5 – 10 %	10 mg/m ³	15 mg/m ³

SECTION III - PHYSICAL DATA

Physical State: LIQUID Specific gravity: 1.0 * pH: > 12.0
Odour and appearance: WHITE CLOTH IMPREGNATED WITH BLUE LIQUID; NO FRAGRANCE.
Odour threshold: Not available. Solubility in water: SOLUBLE *
Vapour pressure (mm Hg): Not available. Vapour density (air = 1): Not available.
Evaporation rate (water = 1): Not available. % volatile by volume: NONE *
Boiling Point (C⁰): Not available. Freezing Point (C⁰): Not available.
Coefficient of water/oil distribution: Not available.

* TESTING USING THE LIQUID COMPONENT OF THE TOWELETTE.

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: NOT FLAMMABLE OR COMBUSTIBLE
Flash Point (C⁰) and method: > 97.7 (liquid) CLOSED CUP.
Upper flammable limit: Not available.
Lower flammable limit: Not available.
Autoignition temperature: Not available.
Flammability classification: NONE
Unusual fire and explosion hazards: NONE
Means of extinction: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL
Special fire fighting procedures: FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR, INCLUDING SELF-CONTAINED BREATHING APPARATUS.
Hazardous combustion products: OXIDES OF CARBON.
Sensitivity to mechanical impact: NOT SENSITIVE
Sensitivity to static discharge: NOT SENSITIVE

SECTION V - REACTIVITY DATA

Is the product stable: YES. STABLE.
Incompatible substances: STRONG ACIDS
Conditions to avoid: NONE
Hazardous decomposition products: THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON.

SECTION VI - TOXICOLOGICAL PROPERTIES

Primary routes of exposure: SKIN AND EYE CONTACT, INGESTION.

Irritant: SKIN AND EYE IRRITANT

Carcinogen: NONE LISTED AS SUSPECTED CARCINOGENS – OSHA, IARC, NTP.

Sensitizer: NOT KNOWN AS A SENSITIZER.

Mutagen: NO

Reproductive effects: NONE KNOWN

Synergistic products: NONE KNOWN

Effects of acute exposure: Eyes: MAY CAUSE MILD IRRITATION AND REDNESS.

Inhalation: NO EFFECTS EXPECTED WHEN USED AS DIRECTED.

Ingestion: NONE EXPECTED WITH NORMAL USE. MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, CRAMPS AND DIARRHEA.

Effects of chronic exposure: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

SECTION VII - PREVENTION MEASURES

Gloves: NONE REQUIRED WITH NORMAL USE. OTHERWISE CHEMICAL RESISTANT GLOVES.	Respirator: NO SPECIAL REQUIREMENTS.	Eye protection: NONE REQUIRED WITH NORMAL USE. OTHERWISE SAFETY GLASSES
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: NO SPECIAL REQUIREMENTS.	Other requirements: NONE.

Engineering Controls: MECHANICAL VENTILATION NOT REQUIRED.

Respiratory protection: NONE REQUIRED UNDER NORMAL USE.

Leak or spill procedures: VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION. SOAK UP SPILLED MATERIAL WITH INERT ABSORBENT MATERIAL AND PLACE IN A PROPERLY MARKED, CLOSED CONTAINER FOR PROPER DISPOSAL.

Waste disposal: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

Handling and storage requirements: STORE IN A COOL, DRY PLACE AWAY FROM HEAT OR OPEN FLAME. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

Special shipping information: TDG - CONSUMER COMMODITY.

SECTION VIII - FIRST AID MEASURES

Eyes: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS OBTAIN MEDICAL ATTENTION.

Skin: WASH THOROUGHLY WITH WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

Inhalation: REMOVE PERSON TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

Ingestion: CONTACT A PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. RINSE MOUTH WITH WATER. DRINK 1 – 2 GLASSES OF WATER. DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO BY A PHYSICIAN OR POISON CONTROL CENTRE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION IX - PREPARATION DATA

Information Sources: RAW MATERIAL SUPPLIERS' MATERIAL SAFETY DATA SHEET

Prepared by: TECHNICAL DEPARTMENT

Telephone: (905) 475-6084

Preparation date: 24 MARCH 2011