

MATERIAL SAFETY DATA SHEET

VAL-CHEM COMPANY, INC. /DBA/I.S.C.M.

BI-FAR PLUS

SECTION 1 - IDENTIFICATION

COMPANY NAME..... VAL-CHEM COMPANY, INC.  
 714 DESMOND STREET, P.O. BOX 338  
 SAYRE, PA 18840  
 PHONE NUMBER..... 570-888-2285; 8 A.M. - 5 P.M. EST M-F  
 EMERGENCY PHONE NUMBERS... 800-356-0163; 8 A.M. - 5 P.M. EST M-F  
 570-888-2285; 8 A.M. - 5 P.M. EST M-F  
 INFOTRAC - 1-800-535-5053 - 24 HOURS EVERYDAY  
 EFFECTIVE DATE..... 10/15/2000 REVISED DATE.....10/15/2000  
 DATE PRINTED..... 10/25/2000  
 PREPARED BY..... ROBERT J. CAPECE  
 PRODUCT CODE..... LDBIFRPL  
 TRADE NAME..... BI-FAR PLUS  
 CHEMICAL NAME..... PROPRIETARY COMPOUND.  
 CHEMICAL FAMILY..... ALKALINE POWDER.  
 GENERAL USE:..... BUILT LAUNDRY DETERGENT/BLEACH

SECTION 2 - INGREDIENT INFORMATION

OSHA HAZARDOUS COMPONENTS (29CFR1910.1200)	CAS REGISTRY NO.	OSHA PEL	TLV (Units)	HAZARDOUS *
SODIUM CARBONATE PEROXHYDRATE	15630-89-4	10 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>	15 - 20%
SILICIC ACID, DISODIUM SALT	6834-92-0	2MG/M <sup>3</sup>	2MG/M <sup>3</sup>	20 - 25%

SIGNIFICANT NON-HAZARDOUS INGREDIENTS

	CAS REGISTRY NO.
SODIUM CARBONATE	497-19-8
SODIUM TRIPOLYPHOSPHATE	7758-29-4

SECTION 3 - HEALTH HAZARD DATA

H.M.I.S. HAZARD RATINGS

HAZARD RATING SCALE 0 - NONE 1 - SLIGHT 2 - MODERATE 3 - SERIOUS 4 - SEVERE

HMS HEALTH - BLUE..... 1  
 HMS REACTIVITY - YELLOW. 0  
 HMS FLAMMABILITY - RED.....0  
 HMS PERSONAL PROTECTION.....B

EMERGENCY OVERVIEW

APPEARANCE/ODOR..... WHITE, ODORLESS, GRANULAR MIXTURE  
 OVER EXPOSURE EFFECTS.... CAUSES EYE BURNS AND SKIN IRRITATION. SKIN AND MUCOUS  
 MEMBRANE IRRITANT. MAY CAUSE ALLERGIC SKIN REACTION.  
 INHALATION MAY CAUSE IRRITATION TO THE RESPIRATORY  
 TRACT. MAY CAUSE LUNG IRRITATION AND ALLERGIC  
 RESPIRATORY REACTION  
 THRESHOLD LIMIT VALUE.... LD<sub>50</sub> 1120 MG/KG

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**SECTION 4 - FIRST AID MEASURES**

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IN CASE OF EYE CONTACT: Flush immediately with plenty of water for at least 10 minutes, holding eye lids apart to ensure flushing of the entire eye surface.  
IN CASE SKIN CONTACT: Flush with plenty of water.  
IF INHALED: Remove to fresh air. If irritation persists, get medical attention.  
IF INGESTED: DO NOT INDUCE VOMITING! Give large quantities of water. (If available, give several glasses of milk.) NEVER give anything by mouth to an unconscious person.  
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**SECTION 5 - FIREFIGHTING MEASURES**

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FLASH POINT..... NOT FLAMMABLE  
LOWER FLAME LIMIT..... NOT FLAMMABLE  
HIGHER FLAME LIMIT..... NOT FLAMMABLE  
EXTINGUISH MEDIA..... DRY CHEMICAL; CARBON DIOXIDE; BC/ABC EXTINGUISHER  
SPECIAL PROCEDURES..... USE SELF CONTAINED BREATHING APPARATUS AND GOGGLES.  
UNUSUAL FIRE HAZARD..... INGREDIENT MAY DECOMPOSE THERMALLY TO LIBERATE OXYGEN AND MAY BE SELF ACCELERATING UNDER ADVERSE CONDITIONS.  
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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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LEAK OR SPILL..... CONTAIN SPILL AND SHOVEL OR VACUUM UP. FLUSH AREA WITH WATER.  
WASTE DISPOSAL METHOD.... DISPOSE OF WASTE CHEMICALS ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.  
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**SECTION 7 - HANDLING AND STORAGE**

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HANDLING AND STORAGE..... STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT GET IN EYES OR ON SKIN. DO NOT TAKE INTERNALLY.  
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**SECTION 8 - PERSONAL PROTECTION**

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RESPIRATORY PROTECTION... THE USE OF A DUST RESPIRATOR IS RECOMMENDED FOR DUSTY CONDITIONS.  
VENTILATION..... USE WITH ADEQUATE VENTILATION.  
PROTECTIVE GLOVES..... VINYL OR RUBBER GLOVES RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.  
EYE PROTECTION..... GLASSES OR CHEMICAL GOGGLES ARE RECOMMENDED.  
OTHER PROTECTIVE EQUIP... NOT NECESSARY  
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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING Point (F)..... N/A FREEZING POINT (F)..... N/A  
VOLATILITY/VOL (%)..... 6.84 MELTING POINT..... DECOMPOSES  
VAPORATION RATE..... IS SLOWER THAN ETHER  
VAPOR DENSITY..... IS HEAVIER THAN AIR  
SOLUBILITY IN H2O..... COMPLETE  
SPECIFIC GRAVITY (H2O=1). 1.443  
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**BI-PAR PLUS**

PH..... 1% SOL = 11.0

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**SECTION 10 - STABILITY AND REACTIVITY**  
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CHEMICAL STABILITY..... STABLE  
CONDITIONS TO AVOID..... HIGH TEMPERATURES  
INCOMPATIBLE MATERIALS... AVOID CONTACT WITH STRONG ACIDS. AVOID CONTACT WITH ORGANIC COMPOUNDS. AVOID CONTACT WITH OXIDIZING AGENTS.  
DECOMPOSITION PRODUCTS... INGREDIENT CAN DECOMPOSE TO LIBERATE OXYGEN. DECOMPOSES WHEN EXPOSED TO HIGH HEAT, RELEASING TOXIC OXIDES OF CARBON.  
HAZARDOUS POLYMERIZATION. WILL NOT OCCUR.  
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**SECTION 11 - TRANSPORT/PACKAGING INFORMATION**  
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HAZARD CLASS..... 5.1  
                            LABEL REQUIRED - OXIDIZER  
                            PACKAGING GROUP II  
DOT SHIPPING NAME..... OXIDIZING SOLID, n.o.s. (SODIUM CARBONATE PEROXYHYDRATE)  
UN NUMBER..... UN1479  
PACKAGING SIZE..... 400# DRUM; 100# DRUM; 50# PAIL; 50# BAG  
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**SECTION 12 - OTHER INFORMATION**  
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FOOT NOTES: FOR HELP IN A CHEMICAL TRANSPORTATION EMERGENCY CALL INFOTRAC:  
1-800-535-5053

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