



BROX-25 Safety Data Sheet

Source of SDS: DESIGNED NUTRITIONAL PRODUCTS
MATERIAL SAFETY DATA SHEET

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SUBSTANCE IDENTIFICATION

SUBSTANCE: ** BROX-25 **
TRADE NAMES/SYNONYMS:
BROX-25™
DESCRIPTION: LOW MICROBIAL BROCCOLI POWDER WITH APPROXIMATELY 25% DIETARY INDOLES.
MOLECULAR FORMULA: N/A
MOLECULAR WEIGHT: N/A
NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0

COMPONENTS AND CONTAMINANTS

COMPONENT: BROX-25 PERCENT: 100.0
OTHER CONTAMINANTS: NO SULFITES ADDED
EXPOSURE LIMITS:
No occupational exposure limits established by OSHA, ACGIH, or NIOSH.

PHYSICAL DATA

DESCRIPTION: LIGHT GREEN HOMOGENEOUS POWDER WITH CHARACTERISTIC AROMA
MESH SIZE: MINIMUM OF 100% THROUGH 40 MESH SCREEN.
DENSITY:
MICROBIOLOGICAL:
SALMONELLA: NEGATIVE
E.COLI: NEGATIVE
TOTAL COLIFORMS: <10 cfu's/gm
STANDARD PLATE COUNT: <10,000 cfu's/gm
YEAST & MOLD: <1000 CFU/mg

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD:
DOES NOT READILY IGNITE WHEN EXPOSED TO HEAT OR FLAME.
DUST-AIR MIXTURES MAY IGNITE OR EXPLODE.
AUTOIGNITION TEMP:
ACCEPTABLE FIREFIGHTING MEDIA:
DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM
(1993 EMERGENCY RESPONSE GUIDEBOOK, RSPA P 5800.6).
FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM
(1993 EMERGENCY RESPONSE GUIDEBOOK, RSPA P 5800.6).

FIREFIGHTING:

MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK (1993 EMERGENCY RESPONSE GUIDEBOOK, RSPA P 5800.6, GUIDE PAGE 53).

EXTINGUISH USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING VAPORS AND DUSTS. KEEP UPWIND.

TRANSPORTATION DATA

NUTRITIONAL SUPPLEMENT

TOXICITY

BROX-25: NO SPECIFIC TOXICITY STUDIES HAVE BEEN CONDUCTED ON THIS MATERIAL. BASED ON EXTRAPOLATED KNOWN DATA, A DAILY DOSAGE OF 2,000 – 4,000 mg CAN BE CONSIDERED NON TOXIC TO MOST INDIVIDUALS.

TOXICITY DATA: **NO LD/50 TESTS HAVE BEEN DONE FOR BROX-25 .**

MONOHYDRATE: NO DATA AVAILABLE.

CARCINOGEN STATUS: HUMAN INADEQUATE EVIDENCE, ANIMAL INADEQUATE EVIDENCE.

ACUTE TOXICITY LEVEL: NO DATA AVAILABLE

TARGET EFFECTS: HUMAN INADEQUATE EVIDENCE, ANIMAL INADEQUATE EVIDENCE

AT INCREASED RISK FROM EXPOSURE: **THOSE TAKING ANTICOAGULANTS SUCH AS COUMADIN OR WARFARIN**

ADDITIONAL DATA: NONE

HEALTH EFFECTS AND FIRST AID

INHALATION:

BROX-25:

ACUTE EXPOSURE- MAY CAUSE IRRITATION AND RESPERATORY DIFFICULTY.

CHRONIC EXPOSURE- NO DATA AVAILABLE.

FIRST AID- REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. PERFORM ARTIFICIAL RESPIRATION IF NECESSARY. KEEP PERSON WARM AND AT REST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION.

SKIN CONTACT:

BROX-25:

ACUTE EXPOSURE- MAY CAUSE IRRITATION.

CHRONIC EXPOSURE- NO DATA AVAILABLE.

FIRST AID- REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP OR MILD DETERGENT AND LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF PRODUCT REMAINS (AT LEAST 15-20 MINUTES). TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

EYE CONTACT

BROX-25:

ACUTE EXPOSURE- MAY CAUSE IRRITATION.

CHRONIC EXPOSURE- NO DATA AVAILABLE.

FIRST AID- WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE, OCCASIONALLY LIFTING UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF PRODUCT REMAINS (AT LEAST 15-20 MINUTES). TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

INGESTION:

BROX_25:

ACUTE EXPOSURE - DIARRHEA, HEADACHE.

CHRONIC EXPOSURE- IN ADDITION TO THE EFFECTS DETAILED IN ACUTE EXPOSURE, THERE IS NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS.



FIRST AID- (IF VOMITING OCCURS KEEP THE HEAD BELOW THE HIPS TO PREVENT ASPIRATION).
(DREISBACH,

HANDBOOK OF POISONING, 12TH ED.). TREAT SYMPTOMATICALLY AND SUPPORTIVELY. ANTIDOTE:
NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

REACTIVITY

REACTIVITY:

Stable under normal temperatures and pressures.

INCOMPATIBILITIES:

BROX_25:

ACIDS (STRONG): Incompatible.

BASES (STRONG): Incompatible.

CHLORINE WATER: OK

OXIDIZERS (STRONG): Fire and explosion hazard.

DECOMPOSITION:

Thermal decomposition products may include toxic oxides of carbon and nitrogen.

POLYMERIZATION:

Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Observe all federal, state and local regulations when storing or disposing
of this substance.

Storage

Store in a tightly closed container.

Store away from incompatible substances.

CONDITIONS TO AVOID

BROX-25 contains considerable levels of plant cellulose. It may burn but does not ignite readily. Prevent dispersion
of dust in air as a particle dust explosion could occur.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL:

For small dry spills, a broom, vacuum with trap, or a shovel are all suitable for containment.

place material into clean, dry container and cover. Keep unnecessary people away. Isolate hazard area and deny
entry.

PROTECTIVE EQUIPMENT

VENTILATION:

Provide local exhaust or process enclosure ventilation. Ventilation equipment
should be explosion-proof if explosive concentrations of dust, vapor or fumes are present.

RESPIRATOR:

The following respirators are recommended based on information found in the
physical data, toxicity and health effects sections. They are ranked in
order from minimum to maximum respiratory protection.

The specific respirator selected must be based on contamination levels found
in the work place, must be based on the specific operation, must not exceed
the working limits of the respirator and must be jointly approved by the
National Institute for Occupational Safety and Health and the Mine Safety
and Health Administration (NIOSH-MSHA).

Any dust and mist respirator.

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered air-purifying respirator with a dust and mist filter.



Any powered air-purifying respirator with a high-efficiency particulate filter.
Any type 'C' supplied-air respirator operated in the pressure-demand or other positive pressure or continuous-flow mode.
Any self-contained breathing apparatus.

FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS:

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.
Any supplied-air respirator that has a full face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING:

Employee should wear appropriate protective (impervious) clothing and equipment to minimize possible skin irritation.

GLOVES:

Employee should wear appropriate protective gloves to minimize to minimize possible skin irritation.

EYE PROTECTION:

Employee should wear splash-proof or dust-resistant safety goggles and a face shield to minimize possible eye irritation..

Emergency wash facilities:

Where there is any possibility that an employee's eyes and/or skin may be exposed to this substance, the employer should provide an eye wash fountain and quick drench shower within the immediate work area for emergency use.

-ADDITIONAL INFORMATION-

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES.