

2436669 - TEAM® 2G HDG

MANUFACTURER: LEBANON SEABOARD CORP. MSDS

1600 E CUMBERLAND ST

LEBANON, PA USA 17042

INFORMATION 800-532-0090

HEALTH EMERGENCY: 888-208-1368 PROSAR

ENVIRONMENTAL: 800-424-9300 CHEMTREC

MELTING POINT: NG

FREEZING POINT: NG

POUR POINT: NG

SOFTENING POINT: NG

SPECIFIC GRAVITY: NA Not Applicable

VAPOR PRESSURE: NA Not Applicable

VAPOR DENSITY: NA Not Applicable

PERCENT VOLATILES: NG

EVAPORATION RATE: NG

pH: BT 7.5 8.5 Aqueous 50/50.

MOLECULAR WEIGHT: NG

VISCOSITY: NG

SOLUBILITY IN WATER: Not soluble in water.

ODOR/APPEARANCE/OTHER CHARACTERISTICS: Slight aromatic
odor / light yellow free-flowing granule.

FIRE AND EXPLOSION DATA:

CLOSED CUP FLASH PT.: NA Not Applicable

OPEN CUP FLASH POINT: NA Not Applicable

FIRE POINT: NG

AUTO IGNITION: NA Not Applicable

LOWER EXPLOSION LIMIT: NA Not Applicable

UPPER EXPLOSION LIMIT: NA Not Applicable

SHIPPING REGULATIONS:

UN/NA NUMBER: NG

DOT HAZARD CLASS: Not Regulated

SHIPPING LABEL: Not Given

SHIPPING NAME: Not Given

PREPARED:

PREPARER'S NAME & TITLE: Not Given

PREPARATION DATE: 03/22/2010 rev.

COMPONENT(S):

ALPHA, ALPHA, ALPHA-TRIFLUORO-2,6-DINITRO-N,N-DIPROPYL-
TOLUIDINE

OSHA PEL: NE ppm

ACGIH TLV: NE ppm

STEL: NG ppm

PERCENT OF PRODUCT: EQ 0.67%

CAS NO.: 1582098

NOTE: * (Trifuralin)

N-BUTYL N-ETHYL-ALPHA, ALPHA ,ALPHA-TRIFLUORO-2,6DINITRO-
P-TOLUIDINE

OSHA PEL: NE ppm

ACGIH TLV: NE ppm

STEL: NG ppm

PERCENT OF PRODUCT: EQ 1.33%

CAS NO.: 1861401

NOTE: * (Benefin).

OTHER INGREDIENTS:

OSHA PEL: NG ppm

ACGIH TLV: NG ppm

STEL: NG ppm

PERCENT OF PRODUCT: EQ 98.00%

CAS NO.: Not Given

NOTE: * For All Components: NE = Not Established.

Text Section(s)

IDENTIFICATION

See above for additional information.

PRODUCT NAME: TEAM* 2G Herbicide

*Trademark of Dow AgroSciences

EPA REG. NUMBER: 62719-137-961

EMERGENCY PHONE: 888-208-1368 PROSAR

GENERAL PHONE: 800-532-0090

ENVIRONMENTAL: 800-424-9300 CHEMTREC

MANUFACTURER NAME AND ADDRESS:

LEBANON SEABOARD CORPORATION

1600 E CUMBERLAND ST

LEBANON, PA 17042

INGREDIENTS

See above for additional information.

(% W/W, UNLESS OTHERWISE NOTED).

This document is prepared pursuant to the OSHA Hazard
Communication Standard (29 CFR 1910.1200). In addition,
other substances not 'Hazardous' per this OSHA Standard
may be listed. Where proprietary ingredients shows, the
identity may be made available as provided in this
standard.

PHYSICAL DATA

See above for additional information.

FIRE AND EXPLOSION HAZARD DATA

See above for additional information.

EXTINGUISHING MEDIA: If product is involved in fire, use
CO2 or dry chemical.

FIRE AND EXPLOSION HAZARDS: If product is involved in fire,
noxious, toxic fumes may be produced.

FIRE-FIGHTING EQUIPMENT: Wear positive-pressure, self-
contained breathing apparatus and full protective
equipment.

REACTIVITY DATA

STABILITY (CONDITIONS TO AVOID): None known.

INCOMPATIBILITY (SPECIFIC MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Will emit toxic vapors as
it burns.

HAZARDOUS POLYMERIZATION: Does not occur.

ENVIRONMENTAL AND DISPOSAL INFORMATION

ENVIRONMENTAL DATA: This pesticide is toxic to fish. Do not
apply directly to water or wetlands (swamps, bogs or
marshes). Drift or runoff from treatment areas may be
hazardous to aquatic organisms in neighboring aquatic
sites. Do not contaminate water when disposing of
equipment washwaters.

ACTION TO TAKE FOR SPILLS: Contain and sweep up material of
small spills and dispose as waste. Large spills report to
CHEMTREC and DowElanco for assistance. Prevent runoff.

DISPOSAL METHOD: Do not contaminate water, food or feed by
storage or disposal. Wastes resulting from the use of
this product may be disposed of on site or at an approved
waste disposal facility in accordance with applicable
regulations.

HEALTH HAZARD DATA

ACUTE EXPOSURE (TEAM 2G):

EYES: Rabbit, irritant.

SKIN: Rabbit, 2000 mg/kg, no deaths or toxicity,
nonirritant.

INHALATION: This formulation is not considered to be an

inhalation hazard due to the coarse granular nature and its low potential for aerosolization.

INGESTION: Rat, 500 mg/kg, no deaths, leg weakness.

SENSITIZATION: Guinea pig, not a contact sensitizer.

The following effects were reported in chronic, teratogenic, and reproductive toxicity studies in laboratory animals where experimental dosage levels and durations of exposure were far in excess of those likely to occur in humans. Studies were conducted at exposures as high as 800,000 times greater than the expected exposure of applicators using TREFLAN.

CHRONIC EXPOSURE (TRIFLURALIN TECHNICAL):

CHRONIC TOXICITY: Growth retardation, reduced food consumption, reduced survival, increased liver weights and kidney toxicity.

TERATOLOGY & REPRODUCTION: Not teratogenic. No impairment of reproductive capacity. Fetotoxic only at maternally toxic doses in studies.

MUTAGENICITY: Not mutagenic in either bacterial or mammalian cells.

CARCINOGENICITY: NCI - Evidence of carcinogenicity (invalid study due to nitrosamine impurity). EPA - Class C - possible human carcinogen (limited evidence from animal studies). Toxicological studies support noncarcinogen status. Not listed as a carcinogen or potential carcinogen by ACGIH, IARC, NTP or OSHA.

CHRONIC EXPOSURE (BENEFIN TECHNICAL):

CHRONIC TOXICITY: Repeated large oral doses of benefin produced liver effects that included increased weight, and enzyme activity and enlargement of liver cells. Additional effects included reduced growth and survival, decreased hemoglobin and red blood cell counts, and increased weights of thyroids, uterus, ovaries and testes.

TERATOLOGY & REPRODUCTION: Not teratogenic. No impairment of reproductive capacity.

MUTAGENICITY: Not mutagenic in either bacterial or mammalian cells.

CARCINOGENICITY: Not listed as a carcinogen or potential carcinogen by NCI/NTP, OSHA, IARC or ACGIH. Not considered to be carcinogenic in lifetime feeding studies.

SIGNS AND SYMPTOMS OF EXPOSURE: Trifluralin - the more commonly reported adverse effects following exposure to products are skin irritation and rash; nausea, vomiting, cramping, and diarrhea; eye irritation; dizziness,

headache, and other minor central nervous system effects; fever and/or chills; and muscle aches or weakness. Except for some reports of skin or eye irritation, it is difficult to establish a cause/effect relationship. Rare reports of liver dysfunction or hepatitis are usually in the form of inquiries as to possible relationship. There is no substantial evidence in humans that TREFLAN (trifluralin) is harmful to the liver. Benefin - From field experience with products containing benefin, some of which contain organic solvents, there have been reports of nausea, headache, rash, eye irritation, and dyspnea. Rare or singular events also reported: fever, paresthesia, drowsiness, aplastic anemia, chills, anaphylactoid reaction, syncope, abdominal cramping, coughing, liver pain, loss of memory, diaphoresis, mouth burning, hand burning, face edema, loss of taste, muscle spasm, and dizziness.

PRIMARY ROUTES OF ENTRY: Skin and inhalation.

FIRST AID

EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation develops.

SKIN: Wash all exposed areas with plenty of soap and water. Remove contaminated clothing and wash before reuse. Contact a physician if irritation develops.

INGESTION: If swallowed call a physician or Poison Control Center. Drink 1 or 2 glasses of water. Do not induce vomiting or give anything by mouth to an unconscious person.

INHALATION: Coarse granular particles make inadvertent inhalation unlikely. If discomfort occurs, move individual to fresh air. If breathing difficulty occurs, provide cardiopulmonary resuscitation assistance and call a physician.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No corroborative information is available that would establish the aggravation of a medical condition by exposure to TEAM 2G. Animal studies indicate that benefin may be a potential contact sensitizer, but this has not been shown to occur under normal conditions of use. Highly allergic individuals should take special precautions to avoid skin contact with TEAM 2G or breathing of dust.

HANDLING PRECAUTIONS

EXPOSURE GUIDELINE(S): Trifluralin, PEL and TLV not established; Benefin, PEL and TLV not established.
VENTILATION: Good general ventilation should be sufficient for most conditions.
RESPIRATORY PROTECTION: In enclosed spaces, wear NIOSH approved respirator for dust.
SKIN PROTECTION: Use protective clothing such as coveralls, a long sleeved shirt, and impermeable gloves when handling this product.
EYE PROTECTION: Use safety glasses.

ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Keep out of reach of children. Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust and contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

MSDS STATUS: Revised regsheets 02/17/2005

REGULATORY INFORMATION: (NOT MEANT TO BE ALL-INCLUSIVE--SELECTED REGULATIONS REPRESENTED).

NOTICE: The information herein is presented in good faith and believed to be accurate as the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazardous Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard.

TOXIC SUBSTANCE CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

SHIPPING REQUIREMENTS DOT HAZARD CLASS: Not regulated.

OSHA HAZARD COMMUNICATION STANDARD: This product is a

"Hazardous Chemical" as defined by the OSHA Hazard
Communication Standard, 29 CFR 1910.1200.

NATIONAL FIRE PROTECTION ASSOCIATION:

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

SPECIAL NOTES

The Information Herein Is Given In Good Faith, But No
Warranty, Express or Implied, Is Made. Consult The Dow
Chemical Company For Further Information.

ADDITIONAL/IMPORTANT INFORMATION

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: although
preparer and owner have taken reasonable care in the
preparation of this document, we extend no warranties and
make no representation as to the accuracy or completeness
of the information contained herein, and assume no
responsibility regarding the suitability of this
information for the user's intended purposes or for the
consequences of its use. Each user should make a
determination as to the suitability of the information for
their particular purpose(s). A request has been made to the
manufacturer to approve the contents of this material
safety data sheet. Upon receipt of any changes a new MSDS
will be made available.

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