

**BIOADVANCED SCIENCE-BASED SOLUTIONS
ALL-IN-ONE LAWN WEED &
CRABGRASS KILLER I CONCENTRATE**

Version 1.0 / USA
102000015602

7/11

Revision Date:

Assessment repeated dose toxicity

2,4-D dimethylamine salt did not cause specific target organ toxicity in experimental animal studies.
Quinclorac did not cause specific target organ toxicity in experimental animal studies.
Dicamba did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

2,4-D dimethylamine salt was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Quinclorac was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Dicamba was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

2,4-D was not carcinogenic in lifetime feeding studies in rats and mice.
Quinclorac was not carcinogenic in lifetime feeding studies in rats and mice.
Dicamba was not carcinogenic in lifetime feeding studies in rats and mice.

ACGIH

None.

NTP

None.

IARC

None.

OSHA

None.

Assessment toxicity to reproduction

2,4-D did not cause reproductive toxicity in a two-generation study in rats.
Quinclorac did not cause reproductive toxicity in a two-generation study in rats.
Dicamba did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

2,4-D dimethylamine salt caused developmental toxicity only at dose levels toxic to the dams.
Quinclorac did not cause developmental toxicity in rats and rabbits.
Dicamba did not cause developmental toxicity in rats and rabbits.

Further information

Acute toxicity studies have been bridged from a similar formulation(s).
The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability

2,4-D dimethylamine salt:
Not rapidly biodegradable
Quinclorac:
Not rapidly biodegradable

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	Dicamba: Not rapidly biodegradable
Koc	2,4-D dimethylamine salt: Koc: 72 - 471 Quinclorac: Koc: 13 - 54 Dicamba: Koc: 5.1
Bioaccumulation	2,4-D dimethylamine salt: Bioconcentration factor (BCF) 0.1 Does not bioaccumulate. Quinclorac: Does not bioaccumulate. Dicamba: Does not bioaccumulate.
Mobility in soil	2,4-D dimethylamine salt: Moderately mobile in soils Quinclorac: Mobile in soils Dicamba: Highly mobile in soils
Environmental precautions	Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Drift or runoff from treated areas may adversely affect non-target plants. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Apply this product as specified on the label.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Never place unused product down any indoor or outdoor drain.
Contaminated packaging	Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.
RCRA Information	Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

SECTION 14: TRANSPORT INFORMATION

49CFR

**SBM LIFE SCIENCE CORP.
SAFETY DATA SHEET**



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UN number **3082**
Class **9**
Packaging group **III**
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID,
N.O.S.
(2,4-D DIMETHYLAMINE SALT)**
RQ **Reportable Quantity is reached with 2,061 lb of product.**
IMDG **Not dangerous goods / not hazardous material**
IATA **Not dangerous goods / not hazardous material**

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 92564-42
US Federal Regulations
TSCA list
None.
US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
None.
SARA Title III - Section 302 - Notification and Information
None.
SARA Title III - Section 313 - Toxic Chemical Release Reporting
Dicamba, dimethylamine salt 2300-66-5 1.0%
US States Regulatory Reporting
CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State Right-To-Know Ingredients
2,4-D, dimethylamine salt 2008-39-1 CT, IL, RI
Dicamba, dimethylamine salt 2300-66-5 NJ, RI

Canadian Regulations
Canadian Domestic Substance List
None.

Environmental
CERCLA
2,4-D, dimethylamine salt 2008-39-1
Clean Water Section 307 Priority Pollutants
None.

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Safe Drinking Water Act Maximum Contaminant Levels
None.

EPA/FIFRA Information:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal word: Caution!

Hazard statements: Harmful if swallowed.
Moderate eye irritation.
Avoid contact with skin, eyes and clothing.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	US. IARC Monographs on Occupational Exposures to Chemical Agents
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

NFPA 704 (National Fire Protection Association):

Health - 2 Flammability - 1 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1 Flammability - 1 Physical Hazard - 0 PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

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Reason for Revision: Update emergency contact and product information number.

Date of Previous Revision: 05/01/2017

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