



Material Safety Data Sheet

Big D Metered Insecticide (EPA Reg. 44446-56-7052)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Big D Metered Insecticide (EPA Reg. 44446-56-7052)
Product Identifier	360
MSDS No.	0108
Other Means of Identification	Metered Insecticide
Product Family	Specialty Chemicals & Systems
Manufacturer	Big D Industries, Inc., 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
Emergency Contact Information	Big D Industries, 800 535 5053, 24hr (Infotrac)
Use	Insecticide

2. HAZARDS IDENTIFICATION

Emergency Overview Clear compressed gas. Gasoline-like odour. COMPRESSED GAS. Contains gas under pressure. May explode if heated.

Potential Health Effects

Route of Exposure	Inhalation; skin contact; ingestion.
Inhalation	A severe exposure can cause unconsciousness.
Skin Contact	May cause mild irritation.
Eye Contact	May cause mild irritation.
Ingestion	Symptoms may include nausea, vomiting, stomach cramps and diarrhea.
Effects of Long-Term (Chronic) Exposure	Concentrating vapors and inhaling material can lead to oxygen deprivation, loss of brain function and potential loss of life.
Carcinogenicity	No information was located.
Teratogenicity / Embryotoxicity	No information was located.
Reproductive Toxicity	No information was located.
Mutagenicity	No information was located.
Medical Conditions Aggravated by Exposure	Respiratory conditions, cardiovascular conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Hydrotreated kerosene	64742-47-8		
Petroleum gases, liquefied, sweetened	68476-86-8		

4. FIRST AID MEASURES

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First Aid Procedures

Inhalation	Move victim to fresh air. If breathing has stopped, trained personnel should begin artificial respiration (AR). Call a Poison Centre or doctor.
Skin Contact	Quickly take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately flush with lukewarm, gently flowing water for 15-20 minutes. If irritation or pain persists, see a doctor.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Seek medical advice.

5. FIRE FIGHTING MEASURES

Flammable Properties	Can ignite if strongly heated.
Suitable Extinguishing Media	Carbon dioxide, dry chemical powder or appropriate foam. Special "alcohol resistant fire-fighting foams".
Specific Hazards Arising from the Chemical	Closed containers may rupture violently when heated releasing contents. Very toxic carbon monoxide, carbon dioxide.
Protective Equipment and Precautions for Firefighters	A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	No special precautions are necessary.
Environmental Precautions	Do not allow into any sewer, on the ground or into any waterway.
Methods for Containment and Clean-up	Ventilate the area to prevent the gas from accumulating, especially in confined spaces. Contain and soak up spill with absorbent that does not react with spilled product.

7. HANDLING AND STORAGE

Handling	No special handling precautions are necessary.
Storage	Store in an area that is: cool, out of direct sunlight and away from heat and ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Hydrotreated kerosene	400 ppm		400 ppm			
Petroleum gases, liquefied, sweetened	1000 ppm					

Engineering Controls The hazard potential of this product is relatively low. General ventilation is usually adequate.

Personal Protective Equipment (PPE)

Eye/Face Protection Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection Not required, if used as directed.

Respiratory Protection Not normally required if product is used as directed.

General Hygiene Considerations It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear compressed gas.
Odour	Gasoline-like
Odour Threshold	Not available
Boiling Point	232 °C (450 °F)
Melting Point	Not available
Freezing Point	Not available
Relative Density (water = 1)	0.82 at 77 °F (25 °C)
Solubility in Water	Insoluble.
Vapour Pressure	0.4 mm Hg (0.1 kPa) at 77 °F (25 °C)
Vapour Density (air = 1)	< 6.2
Evaporation Rate	< 1 (n-butyl acetate = 1)
Flash Point	> 200 °F (93 °C)
Lower Flammable/Explosive Limit	1.0%
Upper Flammable/Explosive Limit	6.0%

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	Open flames, sparks, static discharge, heat and other ignition sources. Temperatures above 120.0 °F (48.9 °C)
Incompatible Materials	Strong oxidizing agents (e.g. perchloric acid).
Hazardous Decomposition Products	Very toxic carbon monoxide, carbon dioxide.
Possibility of Hazardous Reactions	None known.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Hydrotreated kerosene	5 mg/L (rat) (4-hour exposure)	5000 mg/kg (rat)	2000 mg/kg (rabbit)

Skin Irritation / Corrosion

No information was located.

Eye Irritation / Corrosion

No information was located.

Effects of Short-Term (Acute) Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

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No information was located.

Effects of Long-Term (Chronic) Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Not specifically listed.

Teratogenicity / Embryotoxicity

No information was located.

Reproductive Toxicity

No information was located.

Mutagenicity

No information was located.

Toxicologically Synergistic Materials

No information was located.

12. ECOLOGICAL INFORMATION

General Comments Environmental information was not located.

13. DISPOSAL CONSIDERATIONS

The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

14. TRANSPORT INFORMATION

Shipping Information

Regulation	UN No.	Shipping Name	Class	Packing Group
US DOT	ORM-D	Consumer Commodity		

Other Transport Information

Special Shipping Information Not applicable

15. REGULATORY INFORMATION

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

16. OTHER INFORMATION

NFPA Rating Health - 2 Flammability - 3 Instability - 0

MSDS Prepared By Wayne Hegstrom

Phone No. 405 682 2541

Date of Preparation July 13, 2012

Additional Information This product is not classified or registered for use outside the USA.

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