



Safety Data Sheet

Big D Formula 366

SECTION 1. IDENTIFICATION

Product Identifier	Big D Formula 366
Other Means of Identification	136600, 536600, & C0436603
Other Identification	Formula 366
Product Family	Liquid Deodorants
Recommended Use	Restroom Odor Counteractant.
Restrictions on Use	None known.
Manufacturer	Big D Industries, 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
Supplier	Big D Industries, 5620 SW 29th St, Oklahoma City, OK, 73179, 405 682 2541, BigDInd.com
Emergency Phone No.	Big D Industries, 800 535 5053, 24hr (Infotrac)
SDS No.	0580

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 2; Skin corrosion/irritation - Category 1; Serious eye damage/eye irritation - Category 1; Toxic to reproduction - Category 2

GHS Label Elements



Signal Word:
Danger

Hazard Statement(s):

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H361	Suspected of damaging fertility or the unborn child.

Precautionary Statement(s):

Prevention:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands and skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

Product Identifier:	Big D Formula 366
SDS No.:	0580
Date of Preparation:	June 15, 2015

P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 In case of inadequate ventilation wear respiratory protection.

Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTRE/doctor.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P320 Specific treatment is urgent (see supplemental first aid instruction on this label).
P330 Rinse mouth.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Poly(oxy-1,2-ethanediyl), alpha-octyl- omega-hydroxy-	27252-75-1	4.50	
Sodium carbonate	497-19-8	3.00	
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	68956-79-6	2.25	
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	2.25	
Tetrasodium ethylenediaminetetraacetate	64-02-8	1.25	
Ethanol	64-17-5	0.27	
Sodium hydroxide	1310-73-2	0.13	
CITRAL	5392-40-5	0.06	
Terpenes and Terpenoids, sweet orange-oil	68647-72-3	0.05	
Trisodium nitrilotriacetate	5064-31-3	0.05	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a

Product Identifier: Big D Formula 366
SDS No.: 0580
Date of Preparation: June 15, 2015

Poison Centre or doctor.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation occurs get medical advice/attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Immediately call a Poison Centre or doctor. Treatment is urgently required.

Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Immediately call a Poison Centre or doctor. Rinse mouth with water.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled:

Can cause severe irritation of the nose and throat.

If on skin:

May burn the skin. Permanent scarring may result.

If in eyes:

May cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result.

Immediate Medical Attention and Special Treatment

Special Instructions

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

Does not burn.

This product presents no unusual hazards in a fire situation.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Ventilate the area to prevent the gas from accumulating, especially in confined spaces. Stop or reduce leak if safe to do so.

Small spills or leaks: do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand.

Large spills or leaks: dike spilled product to prevent runoff. Dike and recover contaminated water for appropriate disposal.

Product Identifier: Big D Formula 366

SDS No.: 0580

Page 03 of 07

Date of Preparation: June 15, 2015

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Only use where there is adequate ventilation. Wear personal protective equipment to avoid direct contact with this chemical.

Conditions for Safe Storage

Store in an area that is: temperature-controlled, dry.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Ethanol		1000 ppm	1000 ppm			
CITRAL	5 ppm					

Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear amber liquid. Colour darkens on exposure to light.
Odour	Citrus
Odour Threshold	Not available
pH	11.7
Melting Point/Freezing Point	32 °F (0 °C) (freezing)
Initial Boiling Point/Range	212 °F (100 °C)
Flash Point	> 201 °F (94 °C)
Evaporation Rate	< 1 (diethyl ether = 1)
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	~ 1.04 at 20 °C
Solubility	Soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available

Product Identifier: Big D Formula 366

SDS No.: 0580

Date of Preparation: June 15, 2015

Viscosity < 100 centistokes at 25 °C (kinematic)

Other Information

Physical State Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eye contact; skin contact; inhalation; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethanol	> 115.9 ppm (rat) (4-hour exposure)	7800 mg/kg (rat)	
CITRAL		4950 mg/kg (rat)	> 2000 mg/kg (rat)

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

No information was located.

CORROSIVE. May burn the skin. Permanent scarring may result.

Serious Eye Damage/Irritation

No information was located.

May cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.

Can cause severe irritation of the nose and throat.

Skin Absorption

No information was located.

Ingestion

No information was located.

Harmful.

Aspiration Hazard

Not known to be an aspiration hazard.

Product Identifier: Big D Formula 366

SDS No.: 0580

Date of Preparation: June 15, 2015

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Ethanol	Group 1	A3		

Not specifically listed.

Reproductive Toxicity**Development of Offspring**

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Toxicity**Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ethanol	> 100.1 mg/L (Pimephales promelas (fathead minnow); 96-hour)	7700-11200 mg/L (Daphnia magna (water flea); 48-hour)		
Poly(oxy-1,2-ethanediyl), alpha-octyl- omega-hydroxy-		> 100 mg/L (Daphnia magna (water flea); 48-hour)		

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

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

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group

Special Precautions Not applicable

Product Identifier: Big D Formula 366

SDS No.: 0580

Date of Preparation: June 15, 2015

for User

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

USA

Additional USA Regulatory Lists

Pennsylvania Right To Know. (Ethanol). (Sodium hydroxide). (Tetrasodium ethylenediaminetetraacetate). (Poly(oxy-1,2-ethanediyl), alpha-octyl- omega -hydroxy-) Pin-2(3)-ene (CAS 80-56-8) Diethyl Phthalate (CAS 84-66-2)

Massachusetts Right To Know. (Ethanol). (Trisodium nitrilotriacetate) Pin-2(3)-ene (CAS 80-56-8) Diethyl Phthalate (CAS 84-66-2)

New Jersey Right To Know. (Tetrasodium ethylenediaminetetraacetate). (Poly(oxy-1,2-ethanediyl), alpha-octyl- omega -hydroxy-) Pin-2(3)-ene (CAS 80-56-8) Diethyl Phthalate (CAS 84-66-2)

Rhode Island RTK hazardous substances Diethyl Phthalate (CAS 84-66-2)

CERCLA. (Sodium hydroxide)

California Proposition 65. (Trisodium nitrilotriacetate). (Poly(oxy-1,2-ethanediyl), alpha-octyl- omega -hydroxy-) Ethylene Oxide (CAS 75-21-8) Formaldehyde (CAS 50-00-0) 1,4-Dioxane (CAS 123-91-1) Acetaldehyde (CAS 75-07-0)

California Proposition 65 - Developmental Toxin: Ethylene Oxide (CAS 75-21-8).

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 3
SDS Prepared By	Wayne Hegstrom
Phone No.	405 682 2541
Date of Preparation	June 15, 2015
Revision Indicators	Not applicable.

Product Identifier: Big D Formula 366

SDS No.: 0580

Date of Preparation: June 15, 2015

Page 07 of 07