

SAFETY DATA SHEET

Revision date 2020-May-28

Revision number 1.04

1. IDENTIFICATION

Product identifier

Product name BISOMER[®] AMINE D700

Other means of identification

Product code 745852
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use [RU] Component
Uses advised against None known

Details of the supplier of the safety data sheet

Supplier GEO Specialty Chemicals, Inc.
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Building #23, Suite 100
Ambler, PA 19002-3420
+1-888-519-3883
Hours: Monday-Friday 9:00-5:00 EST (Eastern Standard Time)

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Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC: (800) 424-9300
Outside USA - +1 (703) 527-3887 collect calls accepted

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Flammable liquids	Category 3

EMERGENCY OVERVIEW

Physical state liquid	Color yellow	Appearance clear	Odor ammonia-like
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GHS Label elements, including precautionary statements**DANGER****Hazard statements**

Harmful if swallowed
 Harmful in contact with skin
 Causes severe skin burns and eye damage
 Flammable liquid and vapor

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dusts or mists. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof lamps and electric appliances. Use only non-sparking tools. Take precautionary measures against static discharge.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

In case of fire: Use CO₂, dry chemical, or foam to extinguish.

Precautionary Statements - Storage

Store locked up. Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other information

- Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	weight-%	TRADE SECRET
1-(dimethylamino)propane-2-ol	108-16-7	>= 70	*

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First Aid Measures

Eye contact

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Skin contact

Rinse immediately with plenty of running water (for 10 minutes). Remove all contaminated clothing and apply bandage. Seek medical advice.

Ingestion

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Seek medical advice immediately and show this container or label.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Acute effects

None known.

Chronic effects

None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Water spray jet, Alcohol-resistant foam, Extinguishing powder, Carbon dioxide.

Extinguishing media which must not be used for safety reasons

High pressure waterjet.

Special hazards arising from the substance or mixture

Special Hazard

Formation of toxic gases is possible during heating or in fires.

Advice for firefighters

Firefighting measures

Cool exposed containers with water spray after extinguishing fire.

Special protective equipment for firefighters

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

Explosion data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Wear suitable protective clothing and gloves.

Environmental precautions**Environmental precautions**

Do not empty into drains/surface water/ground water. Inform authorities in the event of product spillage to water courses or sewage systems.

Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust). Dispose of contaminated material as waste according to Section 13.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on safe handling**

Ensure that eyewash stations and safety showers are close to the workstation location

Ventilate working rooms thoroughly.

Avoid naked flames, sparking and sources of ignition.

Switch off electrical devices.

Do not smoke, do not weld.

Take precautionary measures against static discharge

Use explosion proof equipment.

Do not empty waste into waste water drains.

Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Store in a cool, dry place.

Store away from direct heat or sunlight.

Do not store together with oxidants.

Do not store together with strong acids.

Incompatible products

Reaction with oxidants. Reaction with strong acids. Reaction with chlorinated organic compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls

Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

Individual protection measures, such as personal protective equipment**Eye/face Protection**

If splashes are likely to occur: Chemical Goggles.

Hand Protection

Polyvinylchloride

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Suitable breathing mask when there is inadequate ventilation.

Other personal protection data

Eyewash fountains and safety showers must be easily accessible.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	liquid
Color	yellow
Appearance	clear
Odor	ammonia-like
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH	No information available	No information available
Melting / freezing point	No information available	No information available
Boiling point / boiling range	97.0 - 98.0 °C / 206.6 - 208.4 °F	ASTM D 1078-99
Flash point	37 °C / 98.6 °F	Closed Cup
Evaporation rate	No information available	No information available
Flammability (solid, gas)	No information available	No information available
Flammability Limit in Air		
Upper flammability limit	No information available	No information available
Lower flammability limit	No information available	No information available
Vapor pressure	26.66 mbar	No information available
Vapor density	No information available	No information available
Specific gravity	No information available	No information available
Solubility (water)	Soluble	No information available

Solubility in other solvents	No information available	No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available	No information available
Kinematic viscosity	No information available	No information available
Dynamic viscosity	3 cP @ 20 °C	No information available

Other information

Density	0.915 g/cm ³ - ASTM D 1298-99
Bulk Density	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	103 g/mol
Volatile Organic Compound (VOC) content, wt.%	No information available
Percent Volatile, wt.%	No information available

10. STABILITY AND REACTIVITY

Reactivity**Reactivity**

No data available.

Chemical stability**Chemical stability**

Stable under normal conditions of handling, use and transportation.

Possibility of hazardous reactions**Possibility of hazardous reactions**

None under normal processing.

Hazardous polymerization

Not anticipated under normal or recommended handling and storage conditions.

Conditions to avoid**Conditions to avoid**

Avoid heating. Avoid sources of ignition such as open flames, sparks or hot surfaces.

Incompatible materials**Materials to avoid**

Reaction with oxidants. Reaction with strong acids. Reaction with chlorinated organic compounds.

Hazardous decomposition products**Hazardous decomposition products**

At higher temperature carbon oxides and nitrogen oxides may be generated.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Eye contact**

Causes serious eye damage.

Skin contact

Corrosive. Causes burns.

Ingestion

Causes burns of the mouth, throat and stomach.

Inhalation

Can cause severe irritation and burns to the respiratory tract.

Acute toxicity - Product Information

Oral LD50	> 300 - <= 2000 mg/kg
Dermal LD50	> 1000 - <= 2000 mg/kg
Inhalation LC50	No information available

Information on toxicological effects**Symptoms**

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation**

Corrosive

Serious eye damage/eye irritation

Severely irritating to eyes

Sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.

Reproductive toxicity

No toxicity to reproduction

Method: OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test

Specific target organ toxicity - Single exposure

No information available.

Specific target organ toxicity - Repeated exposure

No information available

Aspiration hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	658 mg/kg
ATEmix (dermal)	1447 mg/kg

Other information

Conclusions are drawn from sources other than direct testing.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Acute aquatic toxicity - Product Information**

Fish	No information available
Crustacea	No information available
Algae/aquatic plants	No information available

Persistence and degradability

Persistence and degradability
No information available

Bioaccumulative potential

Bioaccumulative potential
No information available

Mobility

Mobility
No information available

Results of PBT and vPvB assessment

PBT and vPvB assessment
No information available

Other adverse effects

Other information
No other ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Waste incineration with the approval of the responsible local authority.

Contaminated packaging
Disposal must be made according to official regulations. Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

RCRA

Is the unused product a RCRA hazardous waste if discarded? (Yes/No)	Yes
If yes, the EPA Hazardous Waste Code is:	D001 (ignitability)

D002 (corrosivity)

- This material has a 100 lbs Reportable Quantity (RQ) only when characterized as a hazardous waste.

14. TRANSPORT INFORMATION

<u>DOT</u>	Regulated
DOT UN/NA Number	UN2734
Proper shipping name	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (Dimethylisopropanolamine)
Hazard class	8(3)
Packing group	II
ERG Number	132
<u>ICAO/IATA</u>	Regulated
UN number	UN2734
Proper shipping name	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (Dimethylisopropanolamine)
Hazard class	8(3)
Packing group	II
ERG Code	8F
<u>IMDG</u>	Regulated
UN number	UN2734
Proper shipping name	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (Dimethylisopropanolamine)
Hazard class	8(3)
Packing group	II
EmS	F-E; S-C

15. REGULATORY INFORMATION

International Inventories

United States (TSCA)

All ingredients are on the inventory or exempt from listing

Australia (AICS)

All ingredients are on the inventory or exempt from listing

Canada (DSL)

All ingredients are on the inventory or exempt from listing

Canada (NDSL)

None of the ingredients are on the inventory.

China (IECSC)

All ingredients are on the inventory or exempt from listing

European Union (EINECS)

All ingredients are on the inventory or exempt from listing

European Union (ELINCS)

None of the ingredients are on the inventory.

Japan (ENCS)

All ingredients are on the inventory or exempt from listing

South Korea (KECL)

All ingredients are on the inventory or exempt from listing

Philippines (PICCS)

All ingredients are on the inventory or exempt from listing

Legend

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
AICS - Australian Inventory of Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
IECSC - China Inventory of Existing Chemical Substances
INECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

U.S. Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

U.S. State Regulations**California Proposition 65****WARNING**

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	California Proposition 65
Propylene oxide 75-56-9	carcinogen, 10/1/1988

U.S. State Right-to-Know Regulations

1-(dimethylamino)propane-2-ol 108-16-7	
Massachusetts Right to Know Law	Present
New Jersey Right to Know List	sn 4151
Pennsylvania Right to Know List	Present

16. OTHER INFORMATION

NFPA Rating	Health - 3	Flammability - 2	Instability - 0	Special Hazard -
HMIS Rating	Health - 3	Flammability - 2	Physical hazards - 0	Personal protection - B
Product code	745852			
Revision date	2020-May-28			
Revision number	1.04			

Additional information

BISOMER® is a registered trademark of GEO Specialty Chemicals UK Ltd.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet