

SAFETY DATA SHEET

Preparation Date: 2/08/2016

Revision date 2/8/2019

Revision Number: G3

1. IDENTIFICATION

Product identifier

Product code: A2329
Product Name: 2-AMINO-2-METHYL-1-PROPANOL, BUFFER CONCENTRATE

Other means of identification

Synonyms: 2-Amino-2-methyl-1-propanol
 2-Amino-2-methylpropan-1-ol
 2-Amino-2-methylpropanol
 2-Aminodimethylethanol
 Amp-95
 beta-Aminoisobutanol
 Isobutanol-2-amine
 Isobutanolamine

CAS #: 124-68-5
RTECS # UA5950000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: IN SYNTHESIS OF SURFACE-ACTIVE AGENTS, VULCANIZATION ACCELERATORS, PHARMACEUTICALS; ABSORBENT FOR ACIDIC GASES; EMULSIFYING AGENT FOR COSMETIC CREAMS AND LOTIONS, MINERAL OIL & PARAFFIN WAX EMULSIONS, LEATHER DRESSINGS, TEXTILE SPECIALTIES, POLISHES, CLEANING COMPOUNDS,.

Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Tom Tyner (USA - West Coast)

Contact Person: Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

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

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Flammable liquids	Category 4

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Label elements

Danger

Hazard statements

Causes skin irritation
Causes serious eye damage
Combustible liquid



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

May be harmful if swallowed

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Wear protective gloves
Wear eye/face protection

Precautionary Statements - Response

In case of fire: Use CO₂, dry chemical, or foam to extinguish.
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/physician.
IF ON SKIN: Wash with plenty of water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
2-Amino-2-methyl-1-propanol	124-68-5	>89
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	<7
Water	7732-18-5	5-6

4. FIRST AID MEASURES

First aid measures

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General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms

- Severe eye irritation
- May cause burns
- Possible eye damage
- Moderate skin irritation
- Severe skin irritation
- Causes digestive (gastrointestinal) tract irritation
- May cause gastrointestinal (digestive) tract burns
- May cause central nervous system effects
- Somnolence
- May affect the liver
- May affect respiration

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use water spray, mist, alcohol-resistant foam, Dry chemical or Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous combustion products Carbon Monoxide, Carbon Dioxide. Nitrogen oxides (NO_x).

Specific hazards Combustible material. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Vapors may form explosive mixtures with air.

Special Protective Actions for Firefighters

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Specific Methods:	No information available
Special Protective Equipment for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not let this chemical enter the environment. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe vapors or spray mist. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

Strong acids
 Strong oxidizing agents
 Metals
 Aluminum
 Brass
 Zinc

Copper
 Copper alloys
 Galvanized metals
 halogenated hydrocarbons

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
2-Amino-2-methyl-1-propanol	124-68-5	None	None	None	None
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	None	None	None	None
Water	7732-18-5	None	None	None	None

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
2-Amino-2-methyl-1-propanol	124-68-5	None	None	None	None
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	None	None	None	None
Water	7732-18-5	None	None	None	None

Australia and Mexico

Component	CAS No	Australia	Mexico
2-Amino-2-methyl-1-propanol	124-68-5	None	None
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	None	None
Water	7732-18-5	None	None

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles

Skin and body protection: Long sleeved clothing
 Chemical resistant apron

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Gloves

Respiratory protection: Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Appearance: Viscous.	Color: Colorless.
Odor: Amine-like.	Taste No information available.	Formula C4-H11-N-O
Molecular/Formula weight (g/mole): No information available	Flammability (solid, gas) Combustible	Flash point (°C): 67
Flashpoint (°C/°F): 67-81°C/152.6-178°F	Flash Point Tested according to: Not available	Autoignition Temperature (°C/°F): 437.7°C/820°F
Lower Explosion Limit (%): No information available	Upper Explosion Limit (%): No information available	Melting point/range(°C/°F): -2°C/28°F
Decomposition temperature(°C/°F): No information available	Boiling point/range(°C/°F): 165°C/329°F	Bulk density: No information available
Density (g/cm3): 0.934 @ 20 deg .C 0.942 @ 25 deg. C	Specific gravity: 0.934 @ 20 deg .C 0.942 @ 25 deg. C	pH pH of a 0.1 M solution = 11.3
Vapor pressure @ 20°C (kPa): 0.0453	Evaporation rate: No information available	Vapor density: 3.0
VOC content (g/L): No information available	Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): -0.63
Viscosity: No information available	Miscibility: Miscible with water	Solubility: No information available

10. STABILITY AND REACTIVITY

Reactivity

Reactive with strong acids
Reactive with strong oxidizing agents
Reactive with metals

Chemical stability

Stability: Stable under recommended storage conditions.

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Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Strong acids
Strong oxidizing agents
Metals
Aluminum
Brass
Zinc
Copper
Copper alloys
Galvanized metals
halogenated hydrocarbons

Hazardous decomposition products: No information available.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation. Skin. Eyes.

Acute Toxicity

Component Information

2-Amino-2-methyl-1-propanol	
CAS No	124-68-5

LD50/oral/rat = 2900 mg/kg Oral LD50 Rat
LD50/oral/mouse = 2150 mg/kg
LD50/dermal/rabbit = >2000 mg/kg Dermal LD50Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	
CAS No	27646-80-6

LD50/oral/rat = No information available
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Water	
CAS No	7732-18-5

LD50/oral/rat = > 90 mL/kg Oral LD50 Rat

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LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
Value - Acute Tox = 2900 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 2150 mg/kg

LD50/dermal/rabbit
Value - Acute Tox = > 2000 mg/kg

LD50/dermal/rat
VALUE - Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact:	Causes skin irritation. Moderately to strongly irritating. May cause burns.
Eye Contact:	Causes severe eye irritation and possible burns. May cause corneal injury. Risk of serious damage to eyes.
Inhalation	This material has a very low vapor pressure. Not expected to be an inhalation hazard for normal handling. If the product is misted or heated, the inhalation of mist or vapor can cause respiratory tract irritation.
Ingestion	Irritating to mouth, throat and stomach. May cause digestive (gastrointestinal) tract burns. May affect behavior/central nervous system (somnolence). May affect behavior/central nervous system (coma). May affect respiration (respiratory stimulation).
Aspiration hazard	No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity	Prolonged or repeated ingestion may affect the liver. Prolonged or repeated ingestion may cause weight loss. Prolonged or repeated inhalation may affect metabolism (weight loss). Prolonged or repeated inhalation may cause respiratory depression. Prolonged or repeated inhalation may affect the heart.
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Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
2-Amino-2-methyl-1-propanol	124-68-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

2-Amino-2-methyl-1-propanol - 124-68-5

Algae/aquatic plants 520 mg/L EC50 *Desmodesmus subspicatus* 72 h
Fish 190 mg/L LC50 *Lepomis macrochirus* 96 h static 1
Crustacea 193 mg/L EC50 *Daphnia magna* 48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility in soil No information available

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
2-Amino-2-methyl-1-propanol	124-68-5	None	None	None	None
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	None	None	None	None
Water	7732-18-5	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class No information available
Subsidiary Class No information available
Packing group: No information available
Emergency Response Guide Number No information available
Marine Pollutant No data available
DOT RQ (lbs): No information available
Special Provisions No Information available
Symbol(s): No information available
Description: No information available

TDG (Canada)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant No Information available
Description: No information available

ADR

UN Number Not regulated
Proper Shipping Name: No information available
Transport hazard class(es) No information available
Packing group No information available
Subsidiary Risk: No information available

IMDG

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

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Marine Pollutant No information available

RID

UN Number Not Regulated
Proper Shipping Name: No information available
Transport hazard class(es) No information available
Subsidiary Risk: No information available
Packing group No information available

ICAO (air)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class No information available
Subsidiary Risk: No information available
Packing Group: No information available

IATA

UN Number Not Regulated
Proper Shipping Name: No information available
Transport hazard class(es) No information available
Subsidiary Risk: No information available
Packing group No information available
Precautionary Statements - IF exposed or concerned
Response
Special Provisions No information available

15. REGULATORY INFORMATION

International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia AICS	EINECS-No.
2-Amino-2-methyl-1-propanol	124-68-5	Present(ACTIVE)	Present KE-01473	Present	Present (9)-118	Present	Present	Present 204-709-8
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	Not Listed	Not present	Not present	Not present	Not listed	Not listed	Not present
Water	7732-18-5	PresentACTIVE	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2

U.S. Regulations

2-Amino-2-methyl-1-propanol

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 4194
Pennsylvania RTK: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive	Female Reproductive
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				Toxicity	Toxicity:
2-Amino-2-methyl-1-propanol	124-68-5	Not Listed	Not Listed	Not Listed	Not Listed
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	Not Listed	Not Listed	Not Listed	Not Listed
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
2-Amino-2-methyl-1-propanol	124-68-5	None	None	None	None	None
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	None	None	None	None	None
Water	7732-18-5	None	None	None	None	None

U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
2-Amino-2-methyl-1-propanol	124-68-5	Not Applicable	Not Applicable
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	Not Applicable	Not Applicable
Water	7732-18-5	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
2-Amino-2-methyl-1-propanol
124-68-5 (>89)

WHMIS 2015 Hazard Classification
Flammable liquids - Category 4: H227 Combustible liquid. (even though this product is a solid, it was classified as a flammable liquid. Due to the melting temperature being close to the ambient temperature, this class is the most representative of the product's flammability hazard); Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.
Not a dangerous product according to HPR classification criteria

Water
7732-18-5 (5-6)

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
2-Amino-2-methyl-1-propanol	124-68-5	Present	Not Listed
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	Not Listed	Not Listed
Water	7732-18-5	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
2-Amino-2-methyl-1-propanol	124-68-5	Not listed
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	Not listed
Water	7732-18-5	Not listed

Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
2-Amino-2-methyl-1-propanol	124-68-5	Not listed
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	Not listed
Water	7732-18-5	Not listed

EU Classification**EU GHS - SV - CLP 1272/2008**

Component	CAS No	EU GHS - SV - CLP (1272/2008)
2-Amino-2-methyl-1-propanol	124-68-5	Skin corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation.; Serious Eye Damage/Eye Irritation - Eye Irrit. 2: H319 Causes serious eye irritation.; Hazardous to aquatic environment - chronic hazard - Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.603-070-00-6
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6	
Water	7732-18-5	

EU - CLP (1272/2008)**R-phrase(s)**

R52 - Harmful to aquatic organisms

R53 - May cause long-term adverse effects in the aquatic environment

R36/38 - Irritating to eyes and skin

S -phrase(s)

S 2 - Keep out of the reach of children.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Component	CAS No	Classification	Concentration Limits:	Safety Phrases
2-Amino-2-methyl-1-propanol	124-68-5	Xi; R36/38 R52-53	10%≤C Xi; R36/38	S2 S61
2-Methylamino-2-methyl-1-propanol (please note that this component is an impurity and is not intentionally added)	27646-80-6		No information	
Water	7732-18-5		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC**Product code:** A2329**Product name:**
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Indication of danger:

Xi - Irritant

Xi

**16. OTHER INFORMATION**

Preparation Date: 2/08/2016
Revision date 2/8/2019
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet