

SAFETY DATA SHEET

ACID NEUTRALIZER

Infosafe No.: MT12R
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Issued by: Highside Chemicals, Inc.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

ACID NEUTRALIZER

1.2. Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Application of the substance / the preparation: Preparation.

1.3. Details of the supplier of the safety data sheet: Company Name

Highside Chemicals, Inc.

Address

11114 Reichhold Road Gulfport

MS 39503 USA

Telephone/Fax Number

Tel: (228) 896 9220

1.4. Emergency Telephone Number

1 800 255 3924

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Classification according to Directive 67/548/EC or 1999/45/EC

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

Symbol

Xi; Irritant

2.2. Label Elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard-determining components of labelling:

butan-1-ol

· Hazard description:

· WHMIS-symbols:
B3 - Combustible liquid
D2B - Toxic material causing other toxic effects

· NFPA ratings (scale 0 - 4)
Health = 2
Fire = 2
Reactivity = 0

· HMIS-ratings (scale 0 - 4)
Health = 2
Fire = 2
Reactivity = 0

· HMIS Long Term Health Hazard Substances
None of the ingredients is listed.

Pictogram (s)

Flame, Corrosion



Signal Words

DANGER

Hazard Statement (s)

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statement – Prevention

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P280 Wear protective gloves and eye protection.
P233 Keep container tightly closed.

Precautionary statement – Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool.

R-Phrases

R10 Flammable.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

2.3. Other Hazards

· Results of PBT and vPvB assessment:
· PBT: Not applicable.
· vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

· Dangerous components:

Alkyl (C12-30) Benzene Derivatives
Skin Irrit. 2, H315; Eye Irrit. 2, H319

Butan-1-ol
Index number: 603-004-00-6
Flam. Liq. 3, H226
Eye Dam. 1, H318
Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336

Description

Mixture of substances listed below with nonhazardous additions.

Ingredients

Name	CAS	Proportion	R Phrase	Hazard Statement (s)
Alkyl (C12-30) Benzene Derivatives	68855-24-3	50-100 %	R36/38	
Butan-1-ol	71-36-3	<10 %	R10, R22, R37/38, R41, R67	

Other Information

For the wording of the listed risk phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

First Aid Measures

General information: Immediately remove any clothing soiled by the product.

4.1. Description of first aid measures: Inhalation

Supply fresh air; consult doctor in case of complaints.

In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of unconsciousness place patient stably in side position for transportation.

Skin

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

Eye

Protect unharmed eye.

Rinse opened eye for several minutes under running water.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

Ingestion

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2. Most important symptoms and effects, both acute and delayed

Dizziness

Coughing

Gastric or intestinal disorders

· Hazards No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation with added, activated carbon.

Medical supervision for at least 48 hours.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Media

None.

5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3. Advice for firefighters

· Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Decomposition Temperature

Not determined.

Other Information

Cool endangered receptacles with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Product forms slippery surface when combined with water.

Ensure adequate ventilation

Keep away from ignition sources.

Protect from heat.

6.2. Environmental Precautions

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Protect from humidity and water.

Provide ventilation for receptacles.

· Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.
Do not store together with acids.
· Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
Store receptacle in a well ventilated area.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

· Ingredients with limit values that require monitoring at the workplace:

71-36-3 butan-1-ol

PEL (USA)

300 mg/m³, 100 ppm

REL (USA)

Short-term value: C 150 mg/m³, C 50 ppm

Skin

TLV (USA)

61 mg/m³, 20 ppm

EL (Canada)

Short-term value: C 30 ppm

Long-term value: 15 ppm

EV (Canada)

20 ppm

Predicted No Effect Concentration (PNEC)

No further relevant information available.

Derived No Effect Level (DNEL)

No further relevant information available.

Respiratory Protection

Use suitable respiratory protective device when high concentrations are present.

Use suitable respiratory protective device in case of insufficient ventilation.

Hand Protection

· Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

Natural rubber, NR

Nitrile rubber, NBR

Neoprene gloves

Eye/Face Protection

Contact lenses should not be worn.

Safety glasses

Body Protection

Protective work clothing.

Hygiene Measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Other Information

· Additional information about design of technical facilities: No further data; see item 7.

The lists valid during the making were used as basis.

· Limitation and supervision of exposure into the environment:

No further relevant information available.

· Risk management measures:

See Section 7 for additional information.

No further relevant information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Colour

Light yellow

Form

Liquid

Odour

Alcohol-like

Odour Threshold

Not determined.

pH Value

10,5 at 20 °C

Vapour Pressure

6,7 hPa at 20 °C

Boiling Point and boiling range

>212 °F / >100 °C

Melting Point

Undetermined.

Solubility in Water

Fully miscible.

Specific Gravity (H₂O=1)

Not determined.

Density

0,87 g/cm³ at 20 °C

Flash Point

129 °F / 54 °C

Explosion Limit - Upper

9,4 Vol %

Explosion Limit - Lower

1,5 Vol %

Flammability

Not applicable. (solid, gaseous)

Auto-Ignition Temperature

644 °F / 340 °C

Decomposition Temperature

Not determined.

Kinematic Viscosity

Not determined.

Dynamic Viscosity

Not determined.

Evaporation Rate

Not determined.

Vapour Density (Air=1)

Not determined.

Partition Coefficient: n-octanol/water

Not determined.

9.2. Other Information

- Self-igniting: Product is not self-igniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.2. Chemical stability

- Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications.

10.3. Possibility of hazardous reactions

Reacts with strong acids and oxidizing agents.
Flammable.
Reacts with catalysts, oxidizing agents and strong alkali.
Reacts with peroxides and other radical forming substances.

10.4. Conditions to Avoid

Keep ignition sources away - Do not smoke.
Store away from oxidizing agents.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Hydrocarbons
Carbon monoxide and carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Irritant to skin and mucous membranes.

Skin Sensitisation

No sensitizing effects known.

Respiratory sensitisation

Sensitization possible by inhalation and/or dermal contact.

Serious Eye Damage/Irritation

Strong irritant with the danger of severe eye injury.

Other Information

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

· Repeated dose toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

· Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

Other Information

· Additional ecological information:

· General notes:

This statement was deduced from products with a similar structure or composition.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

Avoid transfer into the environment.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Contact manufacturer for recycling information.

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

ADG U.N. Number

1993

ADG UN Class

3

ADG Packing Group

III

ADG Hazchem Code

•3Y

ADG Proper Shipping Name

FLAMMABLE LIQUID, N.O.S.(BUTANOLS)

ADG IERG Number

14

14.1. UN number

· DOT, ADR, IMDG, IATA: UN1993

14.2. UN proper shipping name

· DOT: May be reclassified as combustible under 49CFR173.150(f).

FLAMMABLE LIQUID, N.O.S.

· ADR: 1993 FLAMMABLE LIQUID, N.O.S. (BUTANOLS)

· IMDG, IATA: FLAMMABLE LIQUID, N.O.S. (BUTANOLS)

14.3. Transport Hazard Class(es)

· DOT

· Class: 3 Flammable liquids.

· Label: 3

· ADR

· Class: 3 (F1) Flammable liquids.

· Label: 3

· IMDG, IATA:

· Class: 3 Flammable liquids.

· Label: 3

14.4. Packing group

· DOT, ADR, IMDG, IATA: III

14.6. Special precautions for user

Warning: Flammable liquids.

· Danger code (Kemler): 30

· EMS Number: F-E,S-E

14.5. Environmental Hazards: Imdg Marine Pollutant

No

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Other Information

· Transport/Additional information:

· ADR

· Limited quantities (LQ): 5L

· Transport category: 3

· Tunnel restriction code: D/E

· UN "Model Regulation": UN1993, FLAMMABLE LIQUID, N.O.S. (BUTANOLS), 3, III

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- United States (USA)
- SARA
- Section 355 (extremely hazardous substances):
None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):
71-36-3 butan-1-ol
- Chemicals known to cause cancer:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
- Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
- Carcinogenic Categories
- EPA (Environmental Protection Agency)
71-36-3 butan-1-ol D
- IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.
- Canada
- Canadian Ingredient Disclosure list (limit 0.1%)
None of the ingredients is listed.
- Canadian Ingredient Disclosure list (limit 1%)
71-36-3 butan-1-ol

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

USA (TSCA)

All ingredients are listed.

Hazard Category

Irritant

SECTION 16: OTHER INFORMATION

Other Information

Further information obtainable from: Product Safety Department

Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

· Sources

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com

This SDS has been transcribed into Infosafe EC format from an original, issued by the manufacturer on the date shown.

Any disclaimer by the manufacturer may not be included in the transcription.

Full text of relevant risk phrase

R10 Flammable.

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R67 Vapours may cause drowsiness and dizziness.

Full text of relevant hazard statement

· Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

Poisons Schedule

Not Scheduled

END OF SDS

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