

SAFETY DATA SHEET

Product: Alchemix 6519

Revision: 01

Date: 2017/05/19

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1 - IDENTIFICATION

GHS Product identifier: Alchemix 6519
Recommended use of the chemical and restrictions on use: Industrial Use.
Supplier's details: Alchemix, a Nitro Química Company
Address: 2300 West Point Ave. College Park, GA. 30337 USA
Phone number(s): Phone: 1-404-761-0604
Toll free: 1-800-535-2968
Emergency phone number: CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887

2 - HAZARD IDENTIFICATION

Classification of the substance or mixture: Flammable Liquids - Category 3
Acute Toxicity - Oral - Category 5
Hazardous to the Aquatic Environment - Acute Hazard - Category 3
Hazardous to the Aquatic Environment - Chronic Hazard - Category 3
Classification system adopted: Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS label elements, including precautionary statements

Pictograms:



Signal word: WARNING
Hazard statement(s): H226 Flammable liquid and vapour.
H303 May be harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

PREVENTION:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating and lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.

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P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection and face protection.

RESPONSE:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P312 Call a POISON CENTER or a doctor, if you feel unwell.

P370 + P378 In case of fire: Use to extinction: foam, water mist, powder and carbon dioxide (CO₂).**STORAGE:**

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

DISPOSAL:

P501 Dispose of contents and container in accordance with local regulations.

Other hazards which do
not result in
classification:

It is not expected that product presents specific hazards.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURES

Product based on nitrocellulose and organic solvents.

Components contributing
to the hazard:

Amyl acetate (CAS 628-63-7): 96 - 99%

4 - FIRST-AID MEASURES

Routes of exposure

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.

Skin:

Wash exposed skin with sufficient amount of water to remove the material. Take off and isolate contaminated clothing and shoes. In case of skin irritation: contact a doctor. Bring this SDS.

Eye:

Wash carefully with water for several minutes. In case of use of contact lenses, remove them, if possible. Keep washing. If eyes irritation continues: Contact a doctor. Bring this SDS.

Ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse the victims mouth with water in abundance. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.

Most important
symptoms/effects, acute
and delayed:

May be harmful if swallowed.

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Indication of immediate medical attention and special treatment needed, if necessary:

Avoid contact with the product to help the victim. Keep victim warm and quiet. Symptomatic treatment should comprise mainly supportive measures such as correction of electrolyte disturbances, metabolic, and respiratory support. In case of skin contact do not rub the affected site.

5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:
Specific hazards arising from the chemical:

Appropriate: Compatible with foam, water mist, powder and carbon dioxide (CO₂)
Inappropriate: Water directly onto the burning product.
The combustion or the chemical containers may form toxic and irritant gases such as carbon monoxide and carbon dioxide.
Very dangerous when exposed to excessive heat or other sources of ignition such as sparks, open flames or flames of matches and cigarettes, welding operations, pilot lights and electric motors. Can accumulate static charge by flow or agitation. Vapors from heated liquid can be ignited by static discharge. Vapors are heavier than air and tend to accumulate in low or confined areas, such as sewers and basements. Can travel great distances causing retrogression of the flame or new fires both in open environments in as confined ones. Containers may explode if heated.

Special protective actions for fire-fighters:

Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Containers and tanks involved in the fire should be cooled with water mist.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Prevent sparks or flames. Do not smoke. Do not touch damaged containers or spilled material without the use of appropriate clothing. Avoid exposure to the product. Stay in a safe place, with wind from behind. Use personal protective equipment as described in Section 8.

For emergency responders:

Use protective equipment as described in Section 8.

Environmental precautions:

Avoid that the spilled material reaches waterways or sewage system.

Methods and materials for containment and cleaning up:

Use water mist or vapor suppressing foam to reduce the dispersion of vapors. Use natural barriers or spill containment. Collect spilled material and put it into containers. Adsorb the remaining product with dried sand, vermiculite or any other inert material. Put the adsorbed material in appropriate containers and remove them to a safe place. Use tools that do not cause sparks to collect absorbed material. For final destination, proceed pursuant to Section 13 of this SDS.

7 - HANDLING AND STORAGE

Precautions for safe handling

Safe handling of the substance or mixture:

Handle in a well ventilated area or with general system of ventilation/local exhaust. Avoid vapors and mists formation. Avoid exposure to the chemical, since the effects may not be felt immediately.

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General hygiene: Wash hands and face thoroughly after handling and before eating, drinking, smoking or going to the bathroom. Contaminated clothing should be changed and washed before reuse. Remove clothing and protective equipment contaminated before entering eating areas.

Conditions for safe storage, including any incompatibilities

Technical measures for prevention of fire and explosion: Keep away from heat, sparks, open flames and hot surfaces. - Do not smoke. Keep container tightly closed. Ground the container vessel and the receiver of the product during transfers. Only use anti-sparking tools. Avoid the accumulation of electrostatic charges. Use electrical equipment, ventilation and lighting explosion proof. Use personal protective equipment as described in Section 8.

Adequate conditions: Store in a well ventilated place, away from sunlight. Keep container closed. Keep away from high temperatures and ignition sources. Keep stored at room temperature not exceeding 35°C (95°F).

Packaging compatibilities: Similar to the original packaging.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit: **NIOSH REL**
TWA 100 ppm (525 mg/m³)
OSHA PEL
TWA 100 ppm (525 mg/m³)

Biological limit: Not established.

Other limits and values: Not established.

Appropriate engineering controls: Promote direct mechanical ventilation and exhaust system to the outside environment. These measures help reduce exposure to product.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Safety glasses.

Skin protection: Closed shoes and suitable protective clothing.

Respiratory protection: A risk assessment should be performed for proper definition of respiratory protection, in view of the product use conditions.

Thermal hazards: Does not present thermal hazards.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid viscous

Color: Not available.

Odour: Not available.

Melting point/freezing point: Not available.

Boiling point or initial boiling point and boiling range: Not available.

Flammability: Not applicable.

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Lower and upper explosion limit/flammability limit:	Not available.
Flash point:	39°C - 102.2°F (closed cup)
Auto-ignition temperature:	Information regarding to: -Amyl acetate: 360°C (680°F)
Decomposition temperature:	Not available.
pH:	Not available
Kinematic viscosity:	Not available.
Solubility:	Partially miscible with water.
Partition coefficient n-octanol/water (log value):	Not available.
Vapour pressure:	Information regarding to: -Amyl acetate: 5 hPa (680°F)
Density and/or relative density:	0.9 to 1.1 (water at 4°C=1) at 25°C (77°F)
Relative vapour density:	Not available
Particle characteristics:	Not available
Other information:	Not applicable.

10 - STABILITY AND REACTIVITY

Reactivity:	-
Chemical stability:	Product is stable under normal conditions of temperature and pressure.
Possibility of hazardous reactions:	Nitrocellulose: The reduction of desensitizing agent increases the risk of explosion in case of fire.
Conditions to avoid:	Elevated temperatures. Sources of ignition. Contact with incompatible materials.
Incompatible material:	Acids, oxidizing agents, amines and base.
Hazardous decomposition products:	There are not known hazardous decomposition products.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	May be harmful if swallowed. Acute Toxicity Estimate (ATE) ATEm (oral): 5000.000 mg/kg
Skin corrosion/irritation:	It is not expected that the product presents skin corrosion/irritation.
Serious eye damage/irritation:	It is not expected that the product causes eye irritation.
Respiratory or skin sensitization:	It is not expected that the product causes respiratory or skin sensitization.
Germ cell mutagenicity:	It is not expected that the product presents germ cell mutagenicity.
Carcinogenicity:	It is not expected that the product presents carcinogenicity.

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Reproductive toxicity:	It is not expected that the product presents reproductive toxicity.
STOT - Single exposure:	It is not expected that the product presents specific target organ toxicity by single exposure.
STOT - Repeated exposure:	It is expected that the product presents toxicity specific target organ toxicity by repeated exposure.
Aspiration Hazard:	It is not expected that the product presents aspiration hazard.

12 - ECOLOGICAL INFORMATION

Toxicity:	Harmful to aquatic life with long lasting effects.
Persistence and degradability:	Due to the lack of data, it is expected that the product presents persistence and it is not considered readily biodegradable.
Bioaccumulative potential:	It is not expected that the product presents bioaccumulative potential in aquatic organisms.
Mobility in soil:	Not determined.
Other adverse effects:	There are not known other environmental effects for this product.

13 - DISPOSAL CONSIDERATIONS

Disposal methods

Must be disposed of as hazardous waste in compliance with local regulations. The treatment and disposal should be evaluated for each specific product. Keep the product remains in its original and properly closed containers. Disposal should be performed as established for the product.

14 - TRANSPORT INFORMATION

Road:	<i>UN - "United Nations" Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations</i>
UN number:	1263
UN Proper Shipping Name:	PAINT
Transport hazard class(es):	3
Packing group:	III
Railway regulations:	<i>Convention concerning International Carriage by Rail (COTIF) Appendix C - Regulations concerning the International Carriage of Dangerous Goods by Rail - RID</i>
UN number:	1263
UN Proper Shipping Name:	PAINT
Transport hazard class(es):	3
Packing group:	III
Sea:	<i>IMO - International Maritime Organization International Maritime Dangerous Goods Code (IMDG Code)</i>
UN number:	1263

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UN proper shipping name:	PAINT
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	<i>The product is not considered a marine pollutant.</i>
EmS:	F-E, <u>S</u> -E
Air:	<i>IATA - International Air Transport Association Dangerous Goods Regulation (DGR)</i>
UN number:	1263
UN proper shipping name:	PAINT
Transport hazard class(es):	3
Packing group:	III
Special precautions for user:	There is no need of special precautions.
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code:	Consult regulations: - International Maritime Organization. MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006. - International Maritime Organization. IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the code. IMO, London, 2007.

15 - REGULATORY INFORMATION

Convention concerning Safety in the use of Chemicals at Work (Convention 170) - International Labour Organization, 1990.

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

16 - OTHER INFORMATION

This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

SDS elaborated in May 2017.

Change control:

In accordance with Globally Harmonized System of
Classification and Labelling of Chemicals (GHS)-
Chapter 1.5 and Annex 4

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01	2017/05/19	Elaboration

Abbreviations:

CAS - *Chemical Abstracts Service*

Bibliographic references:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS). 6. rev. ed. New York: United Nations, 2015.
