

SAFETY DATA SHEET

AM-6152 Amino Functional Silicone Fluid



Data Prepared: June 17, 2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product form : Mixture
Product name : AM-6152 Amino Functional Silicone Fluid
Use of the substance/mixture : Release agent

Manufacturer or supplier details

Company name of supplier : Clearco Products Co Inc.
Address : 15 York Road
Willow Grove, PA 19090 U.S.A.
Telephone : 215-366-7860
Emergency Telephone : CHEM TEL: 1-800-255-3924 (DOMESTIC)
+01-813-248-0585 (INTERNATIONAL)

SECTION 2: Hazards identification

Classification (GHS-US)

Skin corrosion/irritation : Category 2
Series eye damage/eye irritation : Category 2A

Label elements

Hazard Pictograms (GHS-US):



Signal word (GHS-US) : Warning
Hazard Statements (GHS-US) : H315-Causes skin irritation
: H319-causes serious eye irritation
Precautionary statements (GHS-US): P260-Do not breathe spray or mist.
P280-Wear suitable protective clothing, gloves and eye/face protection.
P264-Wash hands thoroughly after handling.
P271 -Use only outdoors or in a well-ventilated area.
P305+351+338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+352-IF ON SKIN: Wash with plenty of soap and water
P337+ P313- If eye irritation persists, get medical advice/attention.
P3323 +P313-If skin irritation occurs, get medical advice/attention.
P362-Take off contaminated clothing and wash before reuse.

Other hazards

Other hazards not contributing to the classification : May be irritating to eyes, respiratory system and skin.

Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients**Substance**

Not applicable

Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated. 831241-93-1 10 - <30

Mixture

Name	Product identifier	%	Classification (GHS-US)
Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated	(CAS No.) 831241-93-1	<=20	Skin Irrit. 2, H315 Eye Irrit. 2A,H319

Full text of H phrases: see section 16

SECTION 4: First aid measures**Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash skin with mild soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

Symptoms/injuries after eye contact : May cause eye irritation.

Symptoms/injuries after ingestion : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Not combustible. If there is a fire close by, use suitable extinguishing agents. Carbon dioxide(CO₂), powder, alcohol-resistant foam, water fog.

Unsuitable extinguishing media : None known.

Special hazards arising from the substance or mixture

Fire hazard : The product itself does not burn.

Explosion hazard : Product is not explosive.

Reactivity : Normally stable, even under fire exposure conditions, and not reactive with water.

Advice for firefighters

Firefighting instructions : Use extinguishing media appropriate for surrounding fire. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flare resistant/retardant clothing. Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment : Wear water-proof gloves. Avoid contact with skin and eyes.

Emergency procedures : Avoid all unnecessary exposure. Ventilate area. Stop leak, if possible without risk. Take up small spills with dry chemical absorbent.

For emergency responders

Protective equipment : Avoid all eye and skin contact and do not breathe vapor and mist. Chemical goggles or face shield with safety glasses. Wear suitable gloves.

Emergency procedures : Stop leak, if possible without risk. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Impound and recover large spill by mixing it with inert granular solids.

Environmental precautions

Do not discharge into drains or the environment. Contains no substances known to be hazardous to the environment.

Methods and material for containment and cleaning up

For containment : Do not allow minor leaks or spills to accumulate on walking surfaces. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Impound and recover large spill by mixing it with inert granular solids.

Reference to other sections

Section 7: safe handling.

Section 8: personal protective equipment

Section 13: disposal information

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed.

Incompatible materials : Strong oxidizers.

Specific end use

Release agent

SECTION 8: Exposure controls/personal protection

Control parameters

Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated. 831241-93-1	
ACGIH	None established
OSHA	None established

ACGIH	Not applicable
OSHA	None applicable

Exposure controls

Appropriate engineering controls : Avoid splashing. Avoid creating mist or spray. Either local exhaust or general room ventilation is usually required.

Hand protection : It is a good industrial hygiene practice to minimize skin contact. In case of repeated or prolonged contact wear waterproof gloves.

Eye protection : Safety glasses. Use splash goggles when eye contact due to splashing is possible.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : May be irritating to the respiratory system. In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid
Color	: Colorless to light yellow
Odor	: Characteristic
Odor threshold	: No data available
pH	: Not applicable
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: >100 C
Flash point	: Not applicable
Relative evaporation rate (water = 1)	: Not applicable
Flammability (solid, gas)	: Not applicable

Explosion limits	: Not applicable
Explosive properties	: Product is not explosive
Oxidizing properties	: No oxidizing properties
Vapor pressure	: Not applicable
Relative density	: 0.97
Relative vapor density at 20 °C	: Not applicable
Solubility	: Soluble in water
Log Pow	: No data available
Log Kow	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 350 cPs

Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity

Normally stable, even under fire exposure conditions, and not reactive with water.

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid contact with incompatible materials, excessive heat or cold

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Silicone dioxide. Carbon oxides and traces of incompletely burned carbon compounds, Formaldehyde. Nitrogen oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Likely routes of exposure : Dermal; Inhalation

Acute toxicity : Not classified. (Based on available data, the classification criteria are not met)

Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated. 831241-93-1	
LD50 oral rat	None established
LD50 dermal rat	None established

Skin corrosion/irritation	: Not classified. (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified. (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified. (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified. (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified. (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified. (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure): Not classified. (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified. (Based on available data, the classification criteria are not met)

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : May cause eye irritation.

Symptoms/injuries after ingestion : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

SECTION 12: Ecological information

Toxicity

Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated. 831241-93-1	
LC50 fish 1	Under Review

Persistence and degradability

Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated. 831241-93-1	
Persistence and degradability	In soil, Readily biodegradable

Bioaccumulative potential

Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated. 831241-93-1	
Log Kow	Not applicable
Bioaccumulative potential	Not established

Mobility in soil

No additional information available

Other adverse effects

Effect on ozone layer : None known

Effect on the global warming : None known

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not considered a dangerous good for transport regulations

Additional information

ADR

No additional information available.

Transport by sea

No additional information available.

Air Transport

No additional information available.

SECTION 15: Regulatory information

US Federal regulations

Dimethyl, methyl aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated. 831241-93-1	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).

International regulations

CANADA

6156	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Skin corrosion/irritation:

Category 2

Serious eye damage/eye irritation: Category 2

Full text of H-phrases: see section 16

National regulations

No additional information available

US State regulations

Not included in State Right-to-Know Hazardous Chemicals Lists

SECTION 16: Other information

Indication of changes	: Original document.
Data sources	: European Chemicals Agency (ECHA) Registered Substances list. Accessed at http://echa.europa.eu/ . Organisation for Economic Co-operation and Development. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html .
Abbreviations and acronyms	: ACGIH: (American Conference of Governmental Industrial Hygienists). CAS: (Chemical Abstracts Service) number. GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). OSHA: Occupational Safety & Health Administration. TSCA: Toxic Substances Control Act.

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H315	Causes skin irritation
H319	Causes serious eye irritation

NFPA health hazard

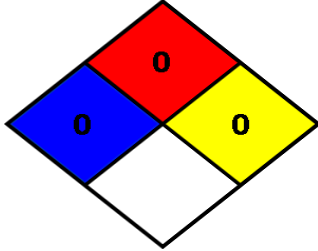
: 0- Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard

: 0- Materials that will not burn.

NFPA reactivity

: 0-Normally stable, even under fire exposure conditions, and are not reactive with water.



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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.