

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) Issue date: 5/7/2025 Version: 1.0

SECTION 1 Identification	
1.1. Product identifier	
Product form Trade name Product code	: Mixture : AFS-682 : AFSNA702
1.2. Other means of identification	
No additional information available	
1.3. Recommended use of the chemical and	restrictions on use
Use of the substance/mixture Restrictions on use	: Lubricant : Oil Additive
1.4. Supplier's details	
TBM, Inc. 8506 Herrington Ct. Pevely, MO 63070 T 1-314-721-2888 / 1-800-721-2888 scoleman@fsptbm.com	
1.5. Emergency phone number	
Emergency number	: For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA) CCN 21826 Back-up Emergency Number: +1 703-741-5970 (Washington, DC)
SECTION 2 Hazard Identification	

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

GHS US labeling

No labeling applicable

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

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SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures			
Name	Product identifier	%	GHS US classification
Isodecyl Methacrylate	CAS-No.: 29964-84-9	0.25 – 2.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Full text of hazard classes and H-statements : see section 16			

SECTION 4 First aid measures				
4.1. Description of necessary first-ai	d measures			
First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. If you feel unwell, seek medical advice.			
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.			
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.			
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.			
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.			
4.2. Most important symptoms/effects, acute and delayed				
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact	 Not expected to present a significant hazard under anticipated conditions of normal use. Not expected to present a significant skin hazard under anticipated conditions of normal use. Not expected to present a significant eye contact hazard under anticipated conditions of normal use. 			
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.			
4.3. Indication of immediate medical	attention and special treatment needed, if necessary			
Other medical advice or treatment	: Treat symptomatically.			

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5.1. Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media Unsuitable extinguishing media	: Use extinguishing agent suitable for surrounding fire.: Do not use a heavy water stream.		
5.2. Specific hazards arising from the chemical			

Fire hazard	:	No fire hazard.
Explosion hazard	:	No direct explosion hazard.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

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5.3. Special protective equipment and precautions for fire-fighters			
Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

SECTION & Accidental release measures				
6.1. Personal precautions, protective e	equipment and emergency procedures			
General measures	: Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. If spilled, may cause the floor to be slippery. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.			
For non-emergency personnel				
Protective equipment	: Wear recommended personal protective equipment.			
Emergency procedures	: Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, Remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area.			
For emergency responders				
Protective equipment	: Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.			
Environmental precautions	: Avoid release to the environment.			
6.2. Methods and materials for contain	ment and cleaning up			
For containment Methods for cleaning up	 Contain with non-combustible inert absorbent. Stop leak, if possible without risk. Take up in non-combustible inert absorbent and place into container for disposal. Decontaminate surfaces and equipment with water and detergent. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. 			

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

SECTION 7 Handling and storage				
7.1. Precautions for safe handling				
Precautions for safe handling :	Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing mist, spray, vapors. Take precautionary measures against static discharge.			
Hygiene measures :	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.			
7.2. Conditions for safe storage, including incompatibilities				
Storage conditions :	Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container closed when not in use. Do not store near food, foodstuffs, drugs, or potable water supplies.			
Incompatible materials : Storage temperature :	Strong oxidizers. ≤ 100 °C / 212 °F			

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Packaging materials

: Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection			
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8.1. Control parameters			
No additional information available			
8.2. Appropriate engineering controls			
Appropriate engineering controls	: Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.		
Environmental exposure controls	: Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.		

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:
Wear protective gloves. Protective gloves made of : Nitrile rubber, Butyl rubber
Eye protection:

Wear safety glasses which protect from splashes

Skin and body protection:

Wear suitable protective clothing. Body protection should be chosen depending on activity and possible exposure

Respiratory protection:

Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA complaint respiratory protection program.

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Yellow to amber
Odor	: Sweet
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available

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Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available
Isodecyl Methacrylate	
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified
Isodecyl Methacrylate	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
LC50 Inhalation - Rat (Vapors)	> 0.45 mg/l
Skin corrosion/irritation :	Not classified

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Isodecyl Methacrylate	
рН	8
Serious eye damage/irritation	: Not classified
Isodecyl Methacrylate	
рН	8
Respiratory or skin sensitization Germ cell mutagenicity	: Not classified : Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Isodecyl Methacrylate	
NOAEL (animal/male, F0/P)	1000 mg/kg body weight
NOAEL (animal/female, F0/P)	300 mg/kg body weight
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
AFS-682	
Viscosity, kinematic	No data available
Isodecyl Methacrylate	
Viscosity, kinematic	No data available
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact	 Not expected to present a significant hazard under anticipated conditions of normal use. Not expected to present a significant skin hazard under anticipated conditions of normal use. Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	 Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

SECTION 12 Ecological Information		
Very toxic to aquatic life Very toxic to aquatic life with long lasting effects		
470 mg/l		
0.039 mg/l		
12.2. Persistence and degradability		
Not established.		

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Isodecyl Methacrylate	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
Isodecyl Methacrylate	
Partition coefficient n-octanol/water (Log Pow)	-6.45 - 7.44
12.4. Mobility in soil	
Isodecyl Methacrylate	
Mobility in soil	6026
12.5. Other adverse effects	
Ozone : Fluorinated greenhouse gases :	Not classified No

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Refer to all applicable national,
	international and local regulations or provisions.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

SECTION 14 Transport information

In accordance with E	DOT / IMDG / IATA
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DOT	IMDG	ΙΑΤΑ
14.1. UN number		
NA3082	3082	3082
14.2. Proper Shipping Name		
Other regulated substances, liquid, n.o.s. ((Isodecyl Methacrylate))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Isodecyl Methacrylate))	Environmentally hazardous substance, liquid, n.o.s. ((Isodecyl Methacrylate))
14.3. Transport hazard class(es)		
9	9	9
14.4. Packing group		
Ш	III	III
14.5. Environmental hazards		
	Marine pollutant: Yes	
No supplementary information available	·	

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14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT		
UN-No. (DOT)	:	NA3082
DOT Packaging Exceptions (49 CFR 173.xxx)	:	155
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203
DOT Packaging Bulk (49 CFR 173.xxx)	:	241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	No Limit
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	No Limit
DOT Vessel Stowage Location	:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
IMDG		
Special provision (IMDG)	:	274, 335, 375, 969
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	LP01, P001
Packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	Τ4
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	:	A
ΙΑΤΑ		
PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y964
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	964
PCA max net quantity (IATA)	:	450L
CAO packing instructions (IATA)	:	964
CAO max net quantity (IATA)	:	450L
ERG code (IATA)	:	9L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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15.2. International regulations

CANADA

Isodecyl Methacrylate (29964-84-9)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

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Full text of hazard classes and H-statements		
H400	Very toxic to aquatic life	
H410	Very toxic to aquatic life with long lasting effects	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.