

TECH LINE Coatings

SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Amadene (no color added)

Part Number: 80000

Recommended Use: Slick Release Coating

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
26844 ADAMS AVE.
MURRIETA, CA 92562
USA
Phone/Fax 1-865-773-0599
www.techlinecoatings.com

Keep out of reach of children.
Not recommended for use on Medical equipment.
Not recommended for use on Aviation equipment.

Emergency Phone: N.America +1-800-535-5053
Intl. +1-352-323-3500

Section 2 – Hazards Identification

Signal Word:

Danger

Symbols:



Hazard Statements:	GHS Classification:	Category
Flammable liquid and vapor	Flammable Liquid	3
Harmful in contact with skin	Acute Toxicity Dermal	4
Harmful if inhaled	Acute Toxicity Inhalation	4
Causes skin Irritation	Skin Irritation	2
Causes Serious Eye Irritation	Eye Damage/Irritation	2A
May cause an allergic skin reaction	Sensitization – Skin	2
Suspected of causing cancer	Carcinogenicity	2
May damage fertility or the unborn child	Toxic to Reproduction	2A
May cause damage to organs, liver, via inhalation, ingestion or absorption through the skin	Specific Target Organ Toxicity Single Exposure	2
Toxic to aquatic life	Acute aquatic toxicity	2
Toxic to aquatic life with long lasting effects.	Chronic aquatic toxicity	2

Precautionary Statements:

Keep away from heat / sparks / open flames / hot surfaces. No Smoking. Ground / bond container and receiving equipment. Use explosion proof electrical / ventilating / lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

In case of fire use alcohol-resistant foam, dry chemical or carbon dioxide

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Wear protective gloves / protective clothing (chemical proof). Wear eye protection and face protection. Wash hands, face and any exposed skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing fumes / mist / vapors / spray. Use only outdoors or in a well ventilated area. Contaminated work clothing must not be allowed out of the work place. Do not eat, drink or smoke when using this product.

If on skin or hair: wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Call a poison center / doctor if you feel unwell.

If exposed or concerned: Get medical advise / attention.

Dispose of Contents / container in accordance with regulations in your area. See section 13 for additional information.

Section 3 – Composition / Information On Ingredients

Component Name	Common Name / Synonyms	CAS#	% of Weight
1-Methyl-2-pyrrolidinone	NMP	872-50-4	< 44%
Xylene		1330-20-7	< 30%
Ethylbenzene		100-41-4	< 9%
Diphenyl, methyl, phenyl, phenylmethyl silicone resin		73138-88-2	< 5%
4,4'-Methylenedianiline	MDA	101-77-9	< 0.1%

Other ingredients are not hazardous based on OSHA standard Section 29 CFR 1910.1200

Section 4 – First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water, and remove contaminated clothing shoes and leather goods. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Consult a physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5 – Fire Fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	Special Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire And Explosion Hazards: Hazardous decomposition products formed under extreme fire conditions. - Carbon and other oxides. Vapors are heavier than air and may travel to a source of ignition and flash back.	Additional Information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Soak up with inert absorbent material.
- Keep in suitable, marked and closed containers for disposal.
- Use spark-proof tools and explosion-proof equipment.
- Remove sources of ignition.

- Warn other workers of spill.
- Wear protective equipment
 - NIOSH Approved Respirator
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors or mists from spraying. Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment. If required wear an appropriate NIOSH approved respirator with paint prefilter. Use explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

Storage:

Store in area suitable for flammable liquids. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from oxidizers, inorganic acids, aldehydes, and isocyanates.

Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL	USA WEEL
NMP	No data available	No data available	No data available	10 ppm
Xylene	TWA 100 ppm	TWA 100 ppm	No data available	No data available
Ethylbenzene	TWA 20 ppm	TWA 100 ppm	TWA 100 ppm	No data available
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	No data available	No data available	No data available	No data available
MDA	No data available	TWA 0.1 ppm	No data available	No data available

Engineering Controls:

Exhaust ventilation.
Showers
Eyewash stations
Use in a well-ventilated area.

Respiratory Protection:

Use NIOSH approved respirator if TWA/TLV limits are exceeded

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

Other Protective Equipment:

WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES

Ventilation:

Local Exhaust: Use To Maintain Below TWA Limits

Mechanical:

Use Non-Sparking Equipment

Work / Hygienic Practices:

wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

Form : liquid
 Color : Brown or Tan
 Odor : Mixture of Solvents
 Odor Threshold: Not Established

pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 300° F.
Flash point :	> 79° F.
Evaporation Rate:	No data available on mixture
Upper/lower flammability or explosive limits:	No data available on mixture
Vapor pressure	No data available on mixture
Vapor density	> 1 - (air =1)
Relative density	9.2 lbs per gallon
Solubility(ies)	No data available on mixture
Partition coefficient: n-octanol/water	No data available on mixture
Auto-ignition temperature	No data available on mixture
Decomposition temperature	No data available on mixture
Viscosity	No data available on mixture
Total VOC	Not Established

Section 10 – Stability And Reactivity

Stability:	STABLE
Possibility of hazardous reactions:	Hazardous Polymerization: Will not occur.
Conditions to avoid:	Avoid storage of open containers at elevated temperatures. Heat, flames and sparks, direct sunlight.
Incompatible Materials:	Oxidizing material can cause a reaction.
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silicon dioxide. Carbon oxides. Metal oxides. Formaldehyde.

Section 11 – Toxicological Information

Potential Health Effects

Inhalation	Harmful if inhaled
Ingestion	No data available
Skin	Harmful in contact with skin, May cause an allergic skin reaction
Eyes	Causes Serious Eye Irritation

Acute Toxicity

NMP	Oral LD50	LD50 Oral - Rat - 3,914 mg/kg
	Inhalation LC50	LDLO Inhalation - Rat - 4 h - > 5100 ppm
	Dermal LD50	LD50 Dermal - Rabbit - 8,000 mg/kg
Xylene	Oral LD50	LD50 Oral - Rat - 4,300 mg/kg Remarks: Liver:Other changes. Kidney, Ureter, Bladder:Other changes.
	Inhalation LC50	LC50 Inhalation - Rat - 4 h - 5000 ppm
	Dermal LD50	LD50 Dermal - Rabbit - > 1,700 mg/kg
Ethylbenzene	Oral LD50	No data available

	Inhalation LC50	No data available
	Dermal LD50	LD50 Dermal - rabbit - 15,433 mg/kg
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
MDA	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available

Skin Corrosion/Irritation

NMP

Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

Xylene

Skin - Rabbit

Result: Skin irritation - 24 h

All other

No data available

Serious Eye Damage/Eye Irritation

NMP

Eyes - Rabbit

Result: Eye irritation

Xylene

Eyes - Rabbit

Result: Mild eye irritation

MDA

Direct contact with the eye or ingestion of MDA can result in damage to the retina of the eye.

All other

No data available

Respiratory Or Skin Sensitization

No data available

Germ Cell Mutagenicity

No data available

Carcinogenicity

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)
3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

MDA

Long-term overexposure to MDA via inhalation, ingestion or dermal absorption is suspected to cause bladder cancer in humans. Is considered a suspected human carcinogen by OSHA, the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), the American Conference of Governmental Industrial Hygienists (ACGIH), and the National Institute for Occupational Safety and Health (NIOSH).

Reproductive Toxicity

NMP

Damage to fetus possible

MDA

Ingestion of excessive amounts by pregnant animals resulted in maternal and foetal toxicity.

All other

No data available

Specific Target Organ Toxicity Single Exposure

NMP

Inhalation - May cause respiratory irritation.

All other

No data available

Specific Target Organ Toxicity Repeated Or Prolonged Exposure

No data available

Aspiration Hazard

No data available

Additional Information

NMP

RTECS: UY5790000

prolonged or repeated exposure can cause: Vomiting, Diarrhoea, Abdominal pain, Rats exposed to 1-methyl-2-pyrrolidinone at a concentration of 1 mg/L as an aerosol for 10 days showed depletion of hematopoietic cells in the bone marrow and atrophy of the lymphoid tissues of the thymus, spleen, and lymph nodes.

Bone marrow - Irregularities - Based on Human Evidence

Bone marrow - Irregularities - Based on Human Evidence

Xylene

RTECS: Not available

Blurred vision, Incoordination., Headache, Nausea, Vomiting, Dizziness, Weakness, anemia, Prolonged or repeated exposure to skin causes defatting and dermatitis.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence (Ethylbenzene)

MDA

Acute exposure via inhalation, ingestion or absorption through the skin can induce liver toxicity and symptoms indicative of hepatitis. These effects are totally reversible at exposure levels below the recommended workplace exposure limits.

Section 12 – Ecological Information

General Comments:

Do not allow material to be released into the environment without proper governmental permits

Environmental Toxicity:

NMP		
Toxicity to fish	LC50 - other fish - 4,000 mg/l - 96 h LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h	
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 24 h	
Toxicity to bacteria	LC50 - Bacteria - > 9,000 mg/l	
Xylene		
Toxicity to fish	LC50 - Morone saxatilis - 2 mg/l - 96 h	
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 75.49 mg/l - 24 h	
Toxicity to algae	Growth inhibition EC50 - Pseudokirchneriella subcapitata - 72 mg/l - 14 d	
Ethylbenzene		
Toxicity to fish	LC50 - Cyprinodon variegatus (sheepshead minnow) - 88.00 mg/l - 96 h LC50 - Lepomis macrochirus (Bluegill) - 80.00 mg/l - 96 h NOEC - Cyprinodon variegatus (sheepshead minnow) - 88 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 4.2 mg/l - 96 h	
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 2.90 mg/l - 48 h	
Diphenyl, methyl, phenyl, phenylmethyl silicone resin		
Toxicity to fish		No data available
Toxicity to daphnia and other aquatic invertebrates		No data available
MDA		
Toxicity to fish		No data available
Toxicity to daphnia and other aquatic invertebrates		No data available

Bioaccumulative Potential

No data available on mixture

Section 13 – Disposal Considerations

Waste Disposal Method:

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

Characteristic Waste:

Ignitable: D001

TCLP: D018

State or local laws may impose additional regulatory requirements regarding disposal.

Contaminated Packaging

Dispose of as unused product.

Section 14 – Transportation Information

Hazardous for Shipping: Yes

Based on 49 CFR, IATA and IMDG:

UN Number: UN1263

UN Proper Shipping Name: Paint

Hazard Class: 3

Packing Group: III

Labels: Flammable Liquid

Placards: Flammable Liquid

Section 15 – Regulations

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	%	SARA 313	SARA 302	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
NMP	< 44%	Yes	No	Yes	Yes	Yes	Yes
Xylene	< 30%	Yes	No	Yes	Yes	Yes	No
Ethylbenzene	< 9%	Yes	No	Yes	Yes	Yes	Yes
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	< 5%	No	No	Yes	Yes	Yes	No
MDA	< 0.1%	Yes	No	Yes	Yes	No	Yes

SARA 311 / 312 Hazards: Flammable Hazard, Acute Health Hazard, Chronic Health Hazard

Section 16 – Other Information

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