



SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Insulating Coating

Part Number: IC-1

Recommended Use: Insulating coating for firewall and floor automotive applications.

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc

PO Box 668, 10840 Chapman, Seymour, TN 37865

USA

Phone/Fax 1-865-773-0597

www.techlinecoatings.com

Industrial use only.

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:

Causes skin irritation

Causes Eye Irritation

Suspected of causing cancer through inhalation

GHS Classification:

Category

Skin Irritation

3

Eye Irritation

2

Carcinogenicity

2

Precautionary Statements:

Wear eye and face protection, wear protective gloves. Wash hands, face and skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

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

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 advise / attention.

If exposed or concerned: Get medical advise / attention.

Dispose of contents / containers in accordance with local regulations. (See Section 13)

Section 3 – Composition / Information On Ingredients

Component Name	Common Name / Synonyms	CAS#	% of Weight
2-Amino-2-methyl-1-propanol		124-68-5	< 3%
Chromium		7440-47-3	< 2%
Nickel		7440-02-0	< 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 with plenty of water. If skin irritation occurs: get medical advice / attention. Take off contaminated clothing and wash it before reuse.

In case of eye contact

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.

If swallowed

Call a poison center / doctor if you feel unwell. Rinse mouth.

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	Additional Information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Keep in suitable, marked and closed containers for disposal.
- Pump into salvage tanks and/or absorb with suitable material.
- Warn other workers of spill.
- Wear protective equipment
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.
- Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

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:

Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
2-Amino-2-methyl-1-propanol	No data available	No data available	No data available
Chromium	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
Nickel	1.5 mg/m ³	1 mg/m ³	0.015 mg/m ³

Engineering Controls: Showers
Eyewash stations

Respiratory Protection: Use in a well-ventilated area. Use NIOSH Approved Respirator when risk assessment shows air – purifying respirators are appropriate. Use multipurpose combination respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

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: No Data Available

Work / Hygienic Practices: wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

Form :	liquid
Color :	Metalic silver
Odor :	Not established
Odor Threshold:	Not Established
pH :	Not Established
Melting point/range :	Not Established
Initial boiling point :	Not Established
Flash point :	> 200° F.
Evaporation Rate:	Not Established
Upper/lower flammability or explosive limits:	Not Established
Vapor pressure	Not Established
Vapor density	Not Established
Relative density	Not Established
Solubility(ies)	Water: somewhat soluble
Partition coefficient: n-octanol/water	Not Established
Auto-ignition temperature	Not Established
Decomposition temperature	Not Established
Viscosity	Not Established
Total VOC	< 10 g/l

Section 10 – Stability And Reactivity

Stability:	STABLE
Materials to avoid:	Strong oxidizing agents
Hazardous Polymerization:	Will not occur.
Conditions to avoid:	Not established
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon and other oxides

Section 11 – Toxicological Information

Acute Toxicity

2-Amino-2-methyl-1-propanol	Oral LD50	LD50 Oral - rat - 2,900 mg/kg
	Inhalation LC50	No data available
	Dermal LD50	LD50 Dermal - rabbit - > 2,000 mg/kg
Chromium	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
Nickel	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available

Skin Corrosion/Irritation

2-Amino-2-methyl-1-propanol
Skin - rabbit
(Draize Test)
All Other
No data available

Serious Eye Damage/Eye Irritation

2-Amino-2-methyl-1-propanol
Eyes - rabbit
Result: Corrosive to eyes
(Draize Test)
All Other
No data available

Respiratory Or Skin Sensitization

2-Amino-2-methyl-1-propanol
Buehler Test - guinea pig
Did not cause sensitisation on laboratory animals.
All Other
No data available

Germ Cell Mutagenicity

No data available

Carcinogenicity

Chromium

Carcinogenicity - rabbit – Implant

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Musculoskeletal: Tumors.

Carcinogenicity - rat - Implant

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Blood: Lymphomas including Hodgkin's disease.

Tumorigenic: Tumors at site or application.

Carcinogenicity - rat - Intravenous

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Gastrointestinal: Tumors. Blood: Lymphomas including Hodgkin's disease.

IARC: Nickel: 2B - Group 2B: Possibly carcinogenic to humans (Nickel, powder [particle diameter < 1 mm])

Chromium: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Chromium)

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: Nickel: Reasonably anticipated to be a human carcinogen (Nickel, powder [particle diameter < 1 mm])

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.

Reproductive Toxicity

No data available

Specific Target Organ Toxicity Single Exposure

No data available

Specific Target Organ Toxicity Repeated Or Prolonged Exposure

Nickel

Inhalation - Causes damage to organs through prolonged or repeated exposure.

All Other

No data available

Aspiration Hazard

No data available

Potential Health Effects of Mixture

Inhalation

No data available

Ingestion

No data available

Skin

No data available

Eyes

No data available

Section 12 – Ecological Information

General Comments:

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

Environmental Toxicity:

2-Amino-2-methyl-1-propanol	Toxicity to fish	static test LC50 - <i>Lepomis macrochirus</i> (Bluegill) - 190 mg/l - 96.0 h
	Toxicity to daphnia and other aquatic invertebrates	- <i>Daphnia magna</i> (Water flea) - 65 mg/l - 24 h (OECD Test Guideline 202)
	Toxicity to algae	Growth inhibition EC50 - <i>Scenedesmus capricornutum</i> (fresh water algae) – ca. 520 mg/l - 72 h (OECD Test Guideline 201)
Chromium	Toxicity to fish	LC50 - <i>Cyprinus carpio</i> (Carp) - 14.3 mg/l - 96 h mortality LOEC - <i>Pimephales promelas</i> (fathead minnow) - 2.4 mg/l - 7 d mortality NOEC - <i>Pimephales promelas</i> (fathead minnow) - 12 mg/l - 7 d
	Toxicity to daphnia and other aquatic invertebrates	EC50 - <i>Daphnia magna</i> (Water flea) - 0.07 mg/l - 48 h
Nickel	Toxicity to fish	LC50 - <i>Cyprinus carpio</i> (Carp) - 1.3 mg/l - 96 h
	Toxicity to daphnia and other aquatic invertebrates	EC50 - <i>Daphnia magna</i> (Water flea) - 1 mg/l - 48 h

Section 13 – Disposal Considerations

Waste Disposal Method:

Product :

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging

Dispose of as unused product.

Section 14 – Transportation Information

Hazardous for Shipping: No

Section 15 – Regulations

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

Component	SARA 302	SARA 311 / 312	SARA 313	Massachusetts RTK	Pennsylvania RTK	New Jersey RTK	California Prop 65 list
2-Amino-2-methyl-1-	No	Yes	No	Yes	Yes	Yes	No

propanol							
Chromium	No	Yes	No	Yes	Yes	Yes	No
Nickel	No	Yes	Yes	Yes	Yes	Yes	Yes

SARA 311 / 312 Hazards:

Acute Health Hazard, Chronic Health Hazard

Section 16 – Other Information

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