

Safety Data Sheet

Material Name: Super Sap CCS Slow Hardener

*** Section 1 - Product and Company Identification ***

Manufacturer Information

Entropy Resins, Inc.
30621 San Antonio St.
Hayward, CA 94544
USA

Phone: +1-310-882-2582

Emergency # +1-760-476-3962 Global Response Contract:
333178

Hijos De A. Ferrer-Dalmau
C/ Rosalia de Castro 21
08025 Barcelona
Spain

*** Section 2 - Hazards Identification ***

GHS Classification:

Skin Corrosion - Category 1B
Serious Eye Damage - Category 1
Skin Sensitization - Category 1
Aspiration Hazard - Category 1

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause an allergic skin reaction.
May be fatal if swallowed and enters airways.

Precautionary Statements

Prevention

Do not breathe dusts or mists.
Wash thoroughly after handling.
Wear protective glove/protective/clothing/eye protection/face protection.
Contaminated work clothing should not be allowed out of the workplace.

Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
9046-10-0	Propylene glycol diamine, 2-amino-, diether with Propylene	100

*** Section 4 - First Aid Measures ***

First Aid: Eyes

For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If physician is not available, flush for an additional 15 minutes. Seek immediate medical attention.

First Aid: Skin

For skin contact, under a safety shower, immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Seek immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

First Aid: Ingestion

If swallowed, wash out mouth with water. Move exposed person to fresh air. Aspiration hazard if swallowed. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

First Aid: Inhalation

Remove to fresh air. Seek medical attention immediately.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None

Hazardous Combustion Products

Decomposition and combustion products may be toxic.

Extinguishing Media

Dry chemical powder, carbon dioxide foam, water spray or fog, sand or earth.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing and self-contained breathing apparatus.

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*** Section 6 - Accidental Release Measures ***

Recovery and Neutralization

Stop the flow of material, if this is without risk.

Materials and Methods for Clean-Up

Absorb or contain liquid with sand, earth or other absorbent spill control material. Shovel material to labeled sealable container for safe disposal. Do not use sawdust, wood chips or other cellulosic materials to absorb the spill, as the possibility for spontaneous combustion exists. Wash spill residue with warm, soapy water if necessary.

Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

Wear protective clothing specified for normal operations.

Environmental Precautions

Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. If material enters drains it should be pumped out into an open vessel. Emergency services may need to be called to assist in this operation.

Prevention of Secondary Hazards

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid contact with skin, eyes and clothing

Storage Procedures

Keep container tightly closed and dry to prevent moisture absorption and contamination. Keep in a cool, well-ventilated area.

Incompatibilities

Acids.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

The EU, ACGIH, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Portugal, Spain, Sweden, and United Kingdom have not developed exposure limits for any of the substances in this preparation.

Engineering Measures

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: Hands

Wear impervious nitrile rubber gloves or butyl rubber gloves, gauntlet type.

Personal Protective Equipment: Eyes

Monogoggles.

Personal Protective Equipment: Skin and Body

Standard issue work clothes, safety boots.

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*** Section 9 - Physical & Chemical Properties ***

Appearance:	Colorless to light yellow.	Odor:	Ammoniacal
Physical State:	Liquid	pH:	11.65
Vapor Pressure:	ND	Vapor Density:	>1
Boiling Point:	> 260 °C (>500 °F)	Melting Point:	NA
Solubility (H2O):	Soluble in cold water	Specific Gravity:	ND
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	>325.4 °F (> 163 °C)
Flash Point Method:	Closed Cup	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal use conditions.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

None

Incompatible Products

Acids.

Hazardous Decomposition Products

May include carbon dioxide, carbon monoxide, nitrogen oxides.

*** Section 11 - Toxicological Information ***

Acute Toxicity

Component Analysis - LD50/LC50

Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)

Oral LD50 Rat 242 mg/kg; Dermal LD50 Rabbit 360 mg/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Causes severe skin burns.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Causes eye damage.

Potential Health Effects: Ingestion

Harmful if swallowed.

Potential Health Effects: Inhalation

Causes severe irritation if inhaled.

Respiratory Organs Sensitization/Skin Sensitization

May cause an allergic skin and respiratory reaction.

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Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

Carcinogenicity

A: General Product Information

This product is not reported to have any carcinogenic effects.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any single exposure specific target organ toxicity effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any repeat exposure specific target organ toxicity effects.

Aspiration Respiratory Organs Hazard

May be fatal if swallowed and enters airways.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

This product is not reported to have any ecotoxicity effects.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Persistence/Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility in Soil

No information available for the product.

* * * Section 13 - Disposal Considerations * * *

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

* * * Section 14 - Transportation Information * * *

IATA Information

Shipping Name: Polyamines, liquid, corrosive, n.o.s. (Polyoxypropylenediamine)

UN #: 2735 **Hazard Class:** 8 **Packing Group:** II

ICAO Information

Shipping Name: Polyamines, liquid, corrosive, n.o.s. (Polyoxypropylenediamine)

UN #: 2735 **Hazard Class:** 8 **Packing Group:** II

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IMDG Information

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* * * Section 15 - Regulatory Information * * *

Regulatory Information

EU MARKING AND LABELLING:

Symbol(s):

None

Risk Phrases:

None

Substance Analysis - Inventory

Component/CAS	EC #	EEC	CAN	TSCA
Propylene glycol diamine, 2-amino-, diether with Propylene 9046-10-0	618-561-0	No	DSL	Yes

* * * Section 16 - Other Information * * *

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average

Literature References

None

Other Information

USER'S RESPONSIBILITY / DISCLAIMER OF LIABILITY: 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 a guarantee of any specific property of the product.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

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This bulletin cannot cover all possible situations that the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.

End of Sheet