Safety Data Sheet

Issue Date: 01-Sep-2012 **Revision Date:** 01-Jan-2015 **Version** 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # 41914-EU
Product Code 41914
Product Name Slide Resin Remover Aerosol
Synonyms Cyclic amide and lactone blend
"The Stripper"
Formula 41914

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Industrial mold cleaner

1.3. Details of the Supplier of the Safety Data Sheet

Supplier
Slide Products Inc.
430 S. Wheeling Road
Wheeling, IL 60090

For further information, please contact

Contact Point Slide Products: 1-847-541-7220
Email Address info@slideproducts.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Chronic aquatic toxicity	Category 3
Flammable Aerosols	Category 2

Classification according to 67/548/EEC
Full text of R-phrases: see section 16

Hazard Symbols
T - Toxic

R-code(s)
R10 - Repr. cat. 2;R60 - Repr. cat. 2;R61 - Xn;R48/20 - Xn;R22 - Xi;R36/37/38 - R67;

2.2. Label Elements
Labeling according to Regulation (EC) No. 1272/2008 [CLP].

Signal Word
Danger

Hazard Statements
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H360 - May damage fertility or the unborn child
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects
H223 - Flammable aerosol

Precautionary Statements - EU (§28, 1272/2008)
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P264 - Wash face, hands and any exposed skin thoroughly after handling
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P312 - Call a POISON CENTER or doctor if you feel unwell
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/ container to an approved waste disposal plant
P273 - Avoid release to the environment

2.3. Other Hazards

General Hazards
None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
gamma-butyrolactone	Present	96-48-0	35-40	-	Acute Tox. 4 (H302) STOT SE 3 () Eye Dam. 1 (H318)	Not determined
1-Methyl-2-pyrrolidone	Present	872-50-4	35-40	Xi; R36/37/38 Repr.Cat.2; R61	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 1B (H360D) STOT SE 3 (H335)	Not determined
n-Propyl bromide	Present	106-94-5	25-30	F; R11 Xi; R36/37/38 Xn; R48/20 Repr.Cat.2; R60 Repr.Cat.3; R63 R67	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 1B (H360FD) STOT SE 3 (H335) STOT SE 3 (H336) STOT RE 2 (H373) Flam. Liq. 2 (H225)	Not determined
Propane	Present	68476-86-8	1-10	F+; R12 Carc.Cat.1; R45 Muta.Cat.2; R46	Muta. 1B (H340) Carc. 1A (H350) Flam. Gas 1 (H220) Press. Gas	Not determined

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice If exposed or concerned: Get medical advice/attention.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately. Apply ice pack.

Skin Contact Wash with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician if you feel unwell. Apply hand cream. If skin irritation occurs: Get medical advice/ attention.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion Clean mouth with water and drink afterwards plenty of water.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms Breathing vapors may result in headaches, nausea, and irritation to the lungs. Skin contact can lead to drying, defatting, itching, stinging and irritation. Eyes may have symptoms of redness, itching, irritation and watering from overexposure.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media
Dry chemical. Foam. Carbon dioxide (CO2).

Unsuitable Extinguishing Media
Water.

5.2. Special Hazards Arising from the Substance or Mixture

Chlorinated hydrocarbons form HCl and traces of phosgene upon pyrolysis. Aerosols may rupture violently at temperatures above 120 F. Aerosol flame projection test: 18" extension at 70 F.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Use personal protective equipment as required.

For Emergency Responders
Use personal protection recommended in Section 8.

6.2. Environmental Precautions

See Section 12 for additional Ecological Information.

6.3. Methods and Material for Containment and Cleaning Up

Methods for Containment Remove leaking container to outside disposal site. Remove all sources of ignition.

Methods for Clean-Up Place in appropriate containers for disposal.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Advice on Safe Handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Wash face, hands, and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray near open flame. Pressurized container: Do not pierce or burn, even after use. Do not spray on painted surfaces: product will damage varnish and alkyd coatings. Do not spray on floors.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from direct sunlight. Do not store at temperatures above 120°F.

7.3. Specific End Use(s)

Specific Use(s)
Industrial mold cleaner.

Risk Management Methods (RMM)
The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits .

Chemical Name	European Union	United Kingdom	France	Spain	Germany
gamma-butyrolactone 96-48-0					Skin
1-Methyl-2-pyrrolidone 872-50-4		STEL: 75 ppm STEL: 309 mg/m^3 TWA: 10 ppm TWA: 40 mg/m^3 Skin	TWA: 40 mg/m^3 TWA: 10 ppm STEL: 80 mg/m^3 STEL: 20 ppm	S* STEL: 20 ppm STEL: 80 mg/m^3 TWA: 10 ppm TWA: 40 mg/m^3	TWA: 20 ppm TWA: 82 mg/m^3 Ceiling / Peak: 40 ppm Ceiling / Peak: 164 mg/m^3 Skin
n-Propyl bromide 106-94-5				TWA: 10 ppm	Skin

Component	Italy	Portugal	Netherlands	Finland	Denmark
gamma-butyrolactone 96-48-0 (35-40)				TWA: 50 ppm TWA: 14 mg/m^3 STEL: 250 ppm STEL: 70 mg/m^3 Skin	
1-Methyl-2-pyrrolidone 872-50-4 (35-40)			Skin STEL: 80 mg/m^3 TWA: 40 mg/m^3	TWA: 10 ppm TWA: 40 mg/m^3 STEL: 20 ppm STEL: 80 mg/m^3 Skin	TWA: 5 ppm TWA: 20 mg/m^3 Skin
n-Propyl bromide 106-94-5 (25-30)		TWA: 10 ppm		TWA: 10 ppm TWA: 50 mg/m^3 STEL: 50 ppm STEL: 250 mg/m^3	

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
1-Methyl-2-pyrrolidone 872-50-4	Skin STEL 20 ppm STEL 80 mg/m^3 TWA: 10 ppm TWA: 40 mg/m^3	Skin STEL: 40 ppm STEL: 160 mg/m^3 TWA: 20 ppm TWA: 80 mg/m^3	STEL: 80 mg/m^3 TWA: 40 mg/m^3 Skin	TWA: 5 ppm TWA: 20 mg/m^3 Skin STEL: 20 ppm STEL: 80 mg/m^3	TWA: 25 ppm TWA: 101 mg/m^3 Skin
n-Propyl bromide 106-94-5	Skin		TWA: 42 mg/m^3		

8.2. Exposure Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection	Proper eye care is needed in all industrial operations. Wear safety glasses with side shields (or goggles).
Hand Protection	Wear protective Neoprene™ gloves.
Skin and Body Protection	Suitable protective clothing.
Respiratory Protection	No protective equipment is needed under normal use conditions.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Aerosol		
Appearance	pale straw colored liquid	**Odor**	Fishy
Color	Pale straw	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not determined	
Melting Point/Freezing Point	< -42.8 °C / <-45 °F	
Boiling Point/Boiling Range	39.4-204 °C / 103-399 °F	
Flash Point	Not determined	
Evaporation Rate	slow, several hours	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	10	
Lower Flammability Limit	1	
Vapor Pressure	0 mmHg	@ 20 C
Vapor Density	>1	
Relative Density	Not determined	
Water Solubility	Partially soluble	
Solubility(ies)	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	100%	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions
None under normal processing.

10.4. Conditions to Avoid

Avoid temperatures above 120°F. Avoid direct sunlight.

10.5. Incompatible Materials

Water. free-radical generators.

10.6. Hazardous Decomposition Products

Chlorinated hydrocarbons form HCl and traces of phosgene upon pyrolysis.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation.

Inhalation Harmful if inhaled.

Ingestion Do not taste or swallow.

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

Oral LD50	2,480.00
Units	mg/kg
Dermal LD50	4,400.00
Units	mg/kg

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1-Methyl-2-pyrrolidone	= 3598 mg/kg (Rat)	= 2500 mg/kg (Rat) > 5000 mg/kg (Rabbit)	= 3.1 mg/L (Rat) 4 h
n-Propyl bromide	= 3600 mg/kg (Rat)		= 253 g/m^3 (Rat) 30 min

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Not classified.

Sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity May cause cancer.

Chemical Name	European Union
Propane	Carc. 1A

Reproductive toxicity May damage fertility or the unborn child.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Not classified.

Symptoms Breathing vapors may result in headaches, nausea, and irritation to the lungs. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Exposed individuals may experience eye tearing, redness, and discomfort.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
gamma-butyrolactone	360: 72 h Desmodesmus subspicatus mg/L EC50 79: 96 h Desmodesmus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static	500: 48 h Daphnia magna Straus mg/L EC50
1-Methyl-2-pyrrolidone	500: 72 h Desmodesmus subspicatus mg/L EC50	832: 96 h Lepomis macrochirus mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static 1072: 96 h Pimephales promelas mg/L LC50 static 1400: 96 h Poecilia reticulata mg/L LC50 static	4897: 48 h Daphnia magna mg/L EC50
n-Propyl bromide		67.3: 96 h Pimephales promelas mg/L LC50 flow-through	

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
gamma-butyrolactone	-0.566
1-Methyl-2-pyrrolidone	-0.46
n-Propyl bromide	2.1
Propane	<=2.8

12.4. Mobility in Soil

Mobility
Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Contains no ozone depleting chemicals.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Empty fully, including gas pressure. Do not puncture or incinerate cans. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of in accordance with federal, state and local regulations.

Section 14: TRANSPORT INFORMATION

Note Based on package size, product may be eligible for limited quantity exception

IMDG

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1

RID

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1

ADR

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols, flammable
14.3 Hazard Class 2.1

ICAO (air)

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols, flammable
14.3 Hazard Class 2.1

IATA

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols, flammable
14.3 Hazard Class 2.1

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number	Title
gamma-butyrolactone 96-48-0	RG 84	
1-Methyl-2-pyrrolidone 872-50-4	RG 84	
n-Propyl bromide 106-94-5	RG 12	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

International Inventories

Not determined.

TSCA -
EINECS/ELINCS -
DSL/NDSL -
PICCS -
ENCS -
IECSC -
AICS -
KECL -

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R61 - May cause harm to the unborn child
R11 - Highly flammable
R67 - Vapors may cause drowsiness and dizziness
R60 - May impair fertility
R63 - Possible risk of harm to the unborn child
R45 - May cause cancer
R12 - Extremely flammable
R10 - Flammable
R22 - Also harmful if swallowed
R36/37/38 - Irritating to eyes, respiratory system and skin
R48/20 - Also harmful: danger of serious damage to health by prolonged exposure through inhalation

Full text of H-Statements referred to under sections 2 and 3
Not applicable

Classification Procedure
Calculation method

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Revision Note: New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

Disclaimer
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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet