



CP1255 v1.9 RS 473-405

RS Pro Superglue Debonder – Liquid

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Reference number: 01-005-702

Issue date: 04/04/2012 Revision date: 24/01/2023 Supersedes version of: 27/04/2021 Version: 7.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Product name : RS Pro Superglue Debonder – Liquid
 UFI : S4T3-A0DK-K00W-MH3Y
 Product code : 0473405

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Debonder/solvent for the removal of cured cyanoacrylate adhesives (Superglue)
 Use of the substance/mixture : Solvents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

RS Components Ltd

Birchington Road
 Corby
 Northants
 NN17 9RS

Tel No.: +44 (0) 845 850 9900

email: RCustomerServicesUK@rs-components.com

RS Components Ltd

Glenview Industrial Estate
 Herberton Road
 Rialto
 Dublin 12

Tel No.: +353 (0) 1 415 3100

email: enquiries.ie@rs-components.com

1.4. Emergency telephone number

Emergency number : +44 : +44 (0)1536 402600 (Monday - Friday 8:00 to 17:30) (0)1536 402600 (Monday - Friday 8:00 to 17:30)

UK Only - IN CASE OF TOXIC OR TRANSPORT EMERGENCY:

National Chemical Emergency Centre: Telephone 01865 407333

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

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

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

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Hazard statements (CLP)	: H319 - Causes serious eye irritation.
Precautionary statements (CLP)	: P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves, eye protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Other hazards which do not result in classification : Combustible.

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propylene carbonate	CAS-No.: 108-32-7 EC-No.: 203-572-1 EC Index-No.: 607-194-00-1 REACH-no: 01-2119537232-48	≥ 90	Eye Irrit. 2, H319

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If swallowed, seek medical advice immediately and show this container or label.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Immediately give plenty of water. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Causes serious eye irritation.
Symptoms/effects after inhalation	: Exposure may produce cough, mucous secretions, shortness of breath, chest tightness.
Symptoms/effects after skin contact	: skin irritation and erythema. Itching.
Symptoms/effects after eye contact	: Causes serious eye irritation. redness, itching, tears. stinging. May cause irritation to cornea (with temporary disturbance to vision).
Symptoms/effects after ingestion	: Causes irritation of the mouth and throat. Abdominal pain, nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. An eyewash station should be available on the premises.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : high volume water jet or water based extinguishing media.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Hazardous combustion products. Carbon oxides (CO, CO₂). irritating vapours may be released.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Avoid contact with skin and eyes. Use self-contained breathing apparatus when in close proximity to fire.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

- Protective equipment : Safety glasses. Protective gloves.
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Chemical resistant gloves (according to European standard NF EN 374 or equivalent). tightly fitting safety goggles. EN 166. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel. Avoid contact with eyes, skin and clothing. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Contain large spillage with sand or earth.
Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

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. Avoid contact with skin and eyes. Wear personal protective equipment.
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 any incompatibilities

- Technical measures : Does not require any specific or particular technical measures.
Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool.

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Incompatible products : Strong oxidizing agents. Strong acids.
Incompatible materials : Heat sources.
Packaging materials : Suitable materials for containers. Glass. polyethylene. Coated steels.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear recommended personal protective equipment.

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. EN 166.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Protective goggles (EN 166)

Eye protection			
Type	Field of application	Characteristics	Standard
Safety goggles	Droplet	Indirect-ventilated	EN 166

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

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Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Viton® II, Fluoroelastomer (FKM)	6 (> 480 minutes)	>0.15		EN 374-2

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Clear, colourless liquid.
Odour	: Virtually odourless.
Odour threshold	: Not available
Melting point	: -49 °C
Freezing point	: Not available
Boiling point	: 235 °C
Flammability	: Not applicable
Oxidising properties	: Not oxidising. by EC criteria.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 135 °C
Auto-ignition temperature	: 430 °C
Decomposition temperature	: Not available
pH	: 7
Viscosity, kinematic	: 2000000 mm ² /s 10-6 m ² /s at 40°C (ISO 3104/3105)
Viscosity, dynamic	: 1.6 cP
Solubility	: Soluble in methyl ethyl ketone (MEK). Soluble in ethanol. Soluble in acetone. Miscible with water. Water: 200 g/l @25°C
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: -0.5 @20°C
Vapour pressure	: < 0.02 kPa @20°C
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1.2
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

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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.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. May decompose at high temperature.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Propylene carbonate (108-32-7)

LD50 oral rat	33520 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity): Huntsman
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LD50 dermal rabbit	> 2050 mg/kg bodyweight (OECD 402 method)
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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7

Propylene carbonate (108-32-7)

pH	7
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Serious eye damage/irritation : Causes serious eye irritation.
pH: 7

Propylene carbonate (108-32-7)

pH	7
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Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Propylene carbonate (108-32-7)

NOAEL (animal/female, F0/P)	> 1000 mg/kg bodyweight
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STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

LA68 Debonder - Liquid

NOAEC (inhalation, rat, vapour, 90 days)	1 mg/l
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NOAEL (subchronic, oral, animal/male, 90 days)	5000 mg/kg bodyweight
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Propylene carbonate (108-32-7)	
NOAEL (oral, rat, 90 days)	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

LA68 Debonder - Liquid	
Viscosity, kinematic	2000000 mm ² /s 10-6 m ² /s at 40°C (ISO 3104/3105)

Propylene carbonate (108-32-7)	
Viscosity, kinematic	1.6 mm ² /s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Irritation: severely irritant to eyes

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology - water : Slightly soluble.

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

LA68 Debonder - Liquid	
NOEC chronic fish	1 g/l
NOEC chronic algae	900 mg/l
Additional information	Toxic to soil organisms

Propylene carbonate (108-32-7)	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna
ErC50 algae	> 929 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 other aquatic plants	> 900 mg/l OECD 201: 72 h Desmodesmus Subspicatus: (Green Algae)

12.2. Persistence and degradability

LA68 Debonder - Liquid	
Persistence and degradability	Readily biodegradable.
Biodegradation	83.5 %

Propylene carbonate (108-32-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	83.5 % 29 days (OECD 301B method)

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12.3. Bioaccumulative potential

LA68 Debonder - Liquid

Partition coefficient n-octanol/water (Log Pow) -0.5 @20°C

Bioaccumulative potential No bioaccumulation potential.

Propylene carbonate (108-32-7)

Partition coefficient n-octanol/water (Log Pow) -0.5 @20°C

12.4. Mobility in soil

LA68 Debonder - Liquid

Ecology - soil Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Disposal of wastes: A licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Product/Packaging disposal recommendations : After cleaning, recycle or dispose of at an authorised site.
Additional information : Methods of disposal of packaging. Recycling is preferred to disposal or incineration.
European List of Waste (LoW) code : 15 01 10* - packaging containing residues of or contaminated by dangerous substances
HP Code : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	ADN	RID
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

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SECTION 16: Other information

Indication of changes:

Identified Uses. Accidental release measures. Exposure controls/personal protection. Physical and chemical properties. Ecological information. Disposal considerations. Regulatory information.

Indication of changes			
Section	Changed item	Change	Comments
	Type of product	Added	
1.1	Product group	Added	
1.2	Use of the substance/mixture	Added	
1.2	Use of the substance/mixture	Added	
6.1	Protective equipment	Modified	
6.1	Emergency procedures	Modified	
6.1	Protective equipment	Modified	
8.2	Appropriate engineering controls	Modified	
8.2	Eye protection	Modified	
9.1	Oxidising properties	Modified	
9.1	Particle size	Added	
9.1	Partition coefficient n-octanol/water (Log Pow)	Modified	
12.1	Ecology - water	Added	
12.2	Biodegradation	Modified	
12.3	Partition coefficient n-octanol/water (Log Pow)	Modified	
13.1	European List of Waste (LoW) code	Added	
13.1	Regional legislation (waste)	Added	
15.1	REACH Annex XVII	Added	
16	Data sources	Modified	

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer

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Abbreviations and acronyms:	
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources : Supplier's safety documents. ECHA (European Chemicals Agency). UNECE, <http://www.unece.org/>.

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation.

Safety Data Sheet applicable for regions : IE;GB

Safety Data Sheet (SDS), EU

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. RS Group, and/or its agents cannot accept any liability for the use of information contained in this data sheet or for the use, application or processing of the product described in this data sheet. Users should note the possibility of hazards occurring due to improper uses of the product.