



Safety Data Sheet

Issue Date: 02-Apr-2013

Revision Date: 10-Jun-2024

Version 1

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

1.1. Product Identifier

SDS # RD-0157-EU
Product Code 0926/OI, 0927OI
Product Name Celulon Adhesive Sealant, Low Odor, Water Clean Up - Acrylic Clear

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

Recommended Use Premium elastomeric, multi-purpose sealant – offers water clean-up

1.3. Details of the Supplier of the Safety Data Sheet

<u>Only Representative</u>	<u>Supplier</u>
Brandweerinformatiecentrum voor gevaarlijke stoffen, BIG Technische Schoolstraat 43A B-2440 Geel	Red Devil, Inc. 4175 Webb Street Pryor, Oklahoma 74361 www.reddevil.com

For further information, please contact

Contact Point Red Devil: 1-918-825-5744

Email Address arashid@reddevil.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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label Elements

Product Identifier

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal Word

None

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 MIXTURES

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Calcium Carbonate	Present	1317-65-3	<45	Not determined	Not determined
Titanium dioxide	Present	13463-67-7	<2.0	Not determined	Not determined
Ammonium Hydroxide	Present	7664-41-7	<0.25	Acute Tox. 3 (H331) Skin Corr. 1B (H314) Aquatic Acute 1 (H400) Flam. Gas 2 (H221) Press. Gas	Not determined
Carbon Black	Present	1333-86-4	0-0.25	Not determined	Not determined
Petroleum Hydrocarbon	Present	64742-48-9	<0.75	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	Not determined

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

Additional Information

Substances without a classification are included, because they have established occupational exposure limits (Calcium Carbonate and Titanium Dioxide) Inhalation of particulates unlikely due to product's physical state (Carbon black) May be present in colors other than white.

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If irritation persists, seek medical attention.
Inhalation	Remove to fresh air. If breathing is difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention.
Ingestion	Do not induce vomiting unless directed by medical personnel. If vomiting occurs, lean patient forward to maintain an open airway & prevent aspiration. Get immediate medical attention.

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

Symptoms	Prolonged or repeated skin contact may result in dermatitis (red, dry skin). Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness and discomfort. Irritating to mouth, throat, and stomach if ingested. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Overexposure to vapors during application and curing may mildly irritate respiratory tract and result in coughing and sneezing.
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4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician

Provide general supportive measures and treat symptomatically. May aggravate pre-existing skin disorders.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical. Water spray (fog). Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Product is combustible & may ignite if exposed to high temperature or direct flame.

Hazardous combustion products Carbon, titanium and iron oxides, depending upon formulation.

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

Wear protective clothing as described in Section 8 of this safety data sheet.

For Emergency Responders

Restrict access to spill area.

6.2. Environmental Precautions

Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater. See Section 12 for additional Ecological Information.

6.3. Methods and Material for Containment and Cleaning Up

Methods for Containment

Prevent further leakage or spillage if safe to do so. Use absorbent material to contain spill.

Methods for Clean-Up

Sweep up absorbed material and shovel into suitable containers for disposal. Wash area with soap and water.

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

Avoid breathing vapors. Use only with adequate ventilation. Open windows & doors to ensure fresh air cross-ventilation during application and curing. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. While handling product keep out of reach of children and pets. Do not eat or drink while handling this material. See section 6 of this SDS for clean up instructions.

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 tightly closed in a dry and cool place. Close container after each use. Store containers away from excessive heat & freezing. Do not store @ temperatures above 120 ° F. Protect from direct sunlight. Store away from incompatible materials. To maximize shelf life, store @ temperatures below 26C (80F).

7.3. Specific End Use(s)

Specific Use(s)

Premium elastomeric, multi-purpose sealant – offers water clean-up.

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
Calcium Carbonate 1317-65-3	-	STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	-	-	-
Titanium dioxide 13463-67-7	-	STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	-
Ammonium Hydroxide 7664-41-7	TWA 20 ppm TWA 14 mg/m ³ STEL 50 ppm STEL 36 mg/m ³	STEL: 35 ppm STEL: 25 mg/m ³ TWA: 25 ppm TWA: 18 mg/m ³	TWA: 10 ppm TWA: 7 mg/m ³ STEL: 20 ppm STEL: 14 mg/m ³	STEL: 50 ppm STEL: 36 mg/m ³ TWA: 20 ppm TWA: 14 mg/m ³	TWA: 20 ppm TWA: 14 mg/m ³
Carbon Black 1333-86-4	-	STEL: 7 mg/m ³ TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³	-
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m ³	-	-	TWA: 6 mg/m ³
Ammonium Hydroxide 7664-41-7	TWA: 20 ppm TWA: 14 mg/m ³ STEL: 50 ppm STEL: 36 mg/m ³	STEL: 50 ppm STEL: 36 mg/m ³ TWA: 20 ppm TWA: 14 mg/m ³	STEL: 36 mg/m ³ TWA: 14 mg/m ³	TWA: 20 ppm TWA: 14 mg/m ³ STEL: 50 ppm STEL: 36 mg/m ³	TWA: 20 ppm TWA: 14 mg/m ³
Carbon Black 1333-86-4	-	TWA: 3.5 mg/m ³	-	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Calcium Carbonate 1317-65-3	-	-	-	-	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Titanium dioxide 13463-67-7	STEL 10 mg/m ³ TWA: 5 mg/m ³	TWA: 3 mg/m ³	STEL: 30 mg/m ³ TWA: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Ammonium Hydroxide 7664-41-7	STEL 50 ppm STEL 36 mg/m ³ TWA: 20 ppm TWA: 14 mg/m ³	STEL: 40 ppm STEL: 28 mg/m ³ TWA: 20 ppm TWA: 14 mg/m ³	STEL: 28 mg/m ³ TWA: 14 mg/m ³	TWA: 15 ppm TWA: 11 mg/m ³ TWA: 20 ppm STEL: 50 ppm STEL: 36 mg/m ³	TWA: 20 ppm TWA: 14 mg/m ³ STEL: 50 ppm STEL: 36 mg/m ³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Carbon Black 1333-86-4	-	-	TWA: 4 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3 mg/m ³ STEL: 15 mg/m ³
Petroleum Hydrocarbon 64742-48-9	-	STEL: 100 ppm STEL: 600 mg/m ³ TWA: 50 ppm TWA: 300 mg/m ³	STEL: 900 mg/m ³ TWA: 300 mg/m ³	-	-

8.2. Exposure Controls

Engineering Controls

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

Personal Protective Equipment

Eye/Face Protection

Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations and standards.

Hand Protection

Wear impervious gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and Body Protection

Use protection appropriate for task (e.g. : lab coat, coveralls, Tyvek suit). Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical state	Smooth paste	Odour	Mild acrylic
Appearance	White & Various Other Colors	Odour Threshold	Not determined
Colour	White & Colors		

Property	<u>Note: The information below is not intended for use in preparing product specifications</u>	Remarks • Method
pH	7.0-9.0	
Melting point / freezing point	< 0 °C / 32 °F	
Boiling point / boiling range	Not Established	
Flash point	> 93 °C / > 199 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	Unknown	
Lower flammability or explosive limits	Unknown	
Vapour Pressure	Not established	
Vapour Density	Heavier than air	
Relative Density	~1.40-1.50	API Gravity @ 60°F D1298
Water Solubility	Soluble in water	
Solubility(ies)	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Unknown	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidising Properties	Not determined	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Cures upon contact with air.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Hazardous Polymerisation

Hazardous polymerisation does not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Incompatible Materials. Excessive heat or cold.

10.5. Incompatible Materials

Strong acids.

10.6. Hazardous Decomposition Products

Thermal decomposition can generate irritating dust, fumes and toxic gases (carbon, titanium, and iron oxides, depending upon formulation).

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute toxicity

Product Information

Inhalation	Do not inhale.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Ingestion	Do not ingest.

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

ATEmix (oral)	5,230.69 mg/kg
ATEmix (inhalation-dust/mist)	18.27 mg/L

Unknown Acute Toxicity

- 91.25 % of the mixture consists of ingredient(s) of unknown toxicity.
- 91.25 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 91.25 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 91.25 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 91.25 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 91.25 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzoate Ester	= 3914 mg/kg (Rat)		
Titanium dioxide	> 10000 mg/kg (Rat)		
Ammonium Hydroxide	= 350 mg/kg (Rat)		= 2000 ppm (Rat) 4 h
Carbon Black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	
Petroleum Hydrocarbon	> 6000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	> 8500 mg/m ³ (Rat) 4 h

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Not classified.

Sensitisation Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Petroleum Hydrocarbon	Carc. 1B

Reproductive toxicity Not classified.

STOT - single exposure Not classified.

STOT - repeated exposure Not classified.

Aspiration hazard Not classified.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. PRACTICES SHOULD BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION. Product not tested for aquatic or animal toxicity. Release of product to terrestrial, atmospheric & aquatic environments should be avoided.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Ammonium Hydroxide		5.9: 96 h Pimephales promelas mg/L LC50 static 1.19: 96 h Poecilia reticulata mg/L LC50 static 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 1.17: 96 h Lepomis macrochirus mg/L LC50 flow-through 1.5: 96 h Poecilia reticulata mg/L LC50	25.4: 48 h Daphnia magna mg/L LC50
Carbon Black			5600: 24 h Daphnia magna mg/L EC50
Petroleum Hydrocarbon		2200: 96 h Pimephales promelas mg/L LC50	2.6: 96 h Chaetogammarus marinus mg/L LC50

12.2. Persistence and Degradability

Not tested for persistence & biodegradability.

12.3. Bioaccumulative Potential

Chemical name	Partition coefficient
Ammonium Hydroxide	-1.14

12.4. Mobility in Soil

Mobility

Not tested for mobility in soil.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Environmental Exposure Controls: Should be maintained so as to prevent release to the environment (atmospheric release, release to waterways & spills).

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

Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

IMDG

14.2 Proper Shipping Name

Not regulated

RID

14.2 Proper Shipping Name

Not regulated

ADR

14.2 Proper Shipping Name

Not regulated

IATA

14.2 Proper Shipping Name

Not regulated

Section 15: REGULATORY INFORMATION

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

National Regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Carbon Black 1333-86-4	RG 16, RG 16bis	
Petroleum Hydrocarbon 64742-48-9	RG 84	

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 .

Authorisations and/or restrictions on use:

This product contains one or more substance(s) subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Persistent Organic Pollutants

Not applicable

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Ammonium Hydroxide - 7664-41-7	50	200

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

Component	TSCA	DSL/NDL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Calcium Carbonate 1317-65-3 (<45)	X	X	X	X	X	X	X	X
Trade Secret (<10)	X	X	X	X	X	X	X	X
Titanium dioxide 13463-67-7 (<2.0)	X	X	X	X	X	X	X	X
Trade Secret (<5)	X	X	X	X	X	X	X	X
Ammonium Hydroxide 7664-41-7 (<0.25)	X	X	X	X	X	X	X	X
Carbon Black 1333-86-4 (0-0.25)	X	X	X	X	X	X	X	X
Petroleum Hydrocarbon 64742-48-9 (<0.75)	X	X	X	X	-	X	X	X

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/NDL - 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 H-Statements referred to under section 3

H221 - Flammable gas

H304 - May be fatal if swallowed and enters airways

H314 - Causes severe skin burns and eye damage

H331 - Toxic if inhaled

H340 - May cause genetic defects

H350 - May cause cancer

H400 - Very toxic to aquatic life

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend		Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION	
TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification Procedure

Calculation method

Issue Date: 02-Apr-2013

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Revision Note: Administrative update.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2015/830

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