

SAFETY DATA SHEET

1. Identification

Product identifier	Soudasil N1
Other means of identification	None.
Recommended use	sealant
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	
Company name	Soudal Chemical Products Inc.
Address	95 Avenue Lindsay Dorval, QC H9P 2S6 Canada
Telephone	+1-(514)-497-1016
E-mail	info.canada@soudal.com
Emergency phone number	CHEMTREC +1-(800)-424-930
Supplier	See above.

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1B
	Specific target organ toxicity following repeated exposure	Category 2
Environmental hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapour. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection.
Response	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF exposed or concerned: Get medical attention.

Storage Store locked up.

Disposal Dispose of container in accordance with local, regional, national and international regulations.

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester		117-81-7	0.1 - 1 *
1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]-		1760-24-3	0.1 - 1 *
2-Butanone, O,O',O''-(ethenylsilyldiyl)trioxime		2224-33-1	1 - 5 *
2-Butanone, O,O',O''-(methylsilyldiyl)trioxime		22984-54-9	1 - 5 *
2-Butanone, oxime		96-29-7	0.1 - 1 *

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments *CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	IF exposed or concerned: Get medical attention. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapour. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Cured material can be scraped up and disposed of. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Avoid prolonged exposure. Provide adequate ventilation. Observe good industrial hygiene practices. Wash thoroughly after handling. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. Exposure controls/Personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m3

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m3

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	TWA	5 mg/m3

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	STEL	5 mg/m3
	TWA	3 mg/m3

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	STEL	10 mg/m3
	TWA	5 mg/m3

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	15 minute	10 mg/m3
	8 hour	5 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Confirm with a reputable supplier first.

Other As required by employer code.

Respiratory protection	Chemical respirator with organic vapour cartridge and full facepiece. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards	Not applicable.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

9. Physical and chemical properties

Appearance	Paste.
Physical state	Liquid.
Form	Liquid.
Colour	Not available.
Odour	Slight
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Specific gravity	1.03
VOC	2.8 %

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	May cause stomach distress, nausea or vomiting.
Symptoms related to the physical, chemical and toxicological characteristics	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	25000 mg/kg, HSDB
<i>Inhalation</i>		
LC50	Rat	10.6 mg/l/4h, LOLI
<i>Oral</i>		
LD50	Guinea pig	26 g/kg, SAX
	Mouse	20000 mg/kg, CHEMINFO
	Rabbit	34 g/kg, SAX 33.9 g/kg, HSDB
	Rat	> 25 g/kg, HSDB 30600 mg/kg, LOLI
1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]- (CAS 1760-24-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA > 16 ml/kg, 24 Hours, ECHA
	Rat	> 2009 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	1.5 - 2.4 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	2574 mg/kg, ECHA 2413 mg/kg, ECHA 2295 mg/kg, ECHA 1897 mg/kg, ECHA 7.5 ml/kg, ECHA
2-Butanone, O,O',O''-(ethenylsilylidyne)trioxime (CAS 2224-33-1)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2009 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg, ECHA 4510 mg/kg, ECHA 3519 mg/kg, ECHA 3.5 ml/kg, ECHA

Components	Species	Test Results
2-Butanone, O,O',O''-(methylsilylydyne)trioxime (CAS 22984-54-9)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	2463 mg/kg, ECHA 2453 mg/kg, ECHA
2-Butanone, oxime (CAS 96-29-7)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 1000 mg/kg, 24 Hours, ECHA 0.2 - 2 ml/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 10.5 mg/L, 8 Hours, ECHA > 4.8 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	> 900 mg/kg, ECHA 2528 mg/kg, ECHA 2326 mg/kg, ECHA
Skin corrosion/irritation	Prolonged skin contact may cause skin irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitisation		
Canada - Alberta OELs: Irritant		
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	Irritant	
Respiratory sensitisation	Not a respiratory sensitizer.	
Skin sensitisation	May cause an allergic skin reaction.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Suspected of causing cancer.	
ACGIH Carcinogens		
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	A3	Confirmed animal carcinogen with unknown relevance to humans.
Canada - Manitoba OELs: carcinogenicity		
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)		Confirmed animal carcinogen with unknown relevance to humans.
Canada - Quebec OELs: Carcinogen category		
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)		Detected carcinogenic effect in animals.
IARC Monographs. Overall Evaluation of Carcinogenicity		
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)	Volume 77, Volume 101 - 2B	Possibly carcinogenic to humans.
Reproductive toxicity	May damage fertility or the unborn child.	

Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged exposure may cause chronic effects.
Further information	Not available.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test Results
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7)			
Algae	IC50	Algae	130 mg/L, 72 Hours
Crustacea	EC50	Daphnia	0.16 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia pulex</i>)	0.133 mg/L, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	> 0.2 mg/L, 96 hours > 0.2 mg/L, 96 hours
2-Butanone, oxime (CAS 96-29-7)			
Algae	IC50	Algae	83 mg/L, 72 Hours
Crustacea	EC50	Daphnia	750 mg/L, 48 Hours
Aquatic			
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	777 - 914 mg/L, 96 hours
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Bioaccumulative potential			
Mobility in soil	No data available.		
Mobility in general	Not available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

General Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada CEPA Schedule I: Listed substance

1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (CAS 117-81-7) Listed.

2-Butanone, oxime (CAS 96-29-7) Listed.

Canada DSL Challenge Substances: Listed substance

2-Butanone, oxime (CAS 96-29-7) Listed

