



Safety Data Sheet

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LOCTITE 204 known as 204 DRI-LOC 20 KG EN/CH/JP

SDS No. : 153564

V002.6

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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name:

LOCTITE 204 known as 204 DRI-LOC 20 KG EN/CH/JP

Other means of identification:

LOCTITE 204 20KG/CH/JP

Product code:

IDH243324

Recommended use of the chemical and restrictions on use**Intended use:**

Anaerobic Sealant

Identification of manufacturer, importer or distributor

Manufacturer: Henkel Loctite (China) Co. Ltd, No. 90 Zhu Jiang Road, Yantai Economic, Technological Development Zone, 264006 Shangdong Province, China Tel: +86-535-6399803 Fax: +86-535-6371999

Importer: Henkel Thailand Ltd The Offices at Centralworld, 35th Floor, 999/9 Rama 1 Rd, Kwang Patumwan, Khet Patumwan, Bangkok 10330, Thailand. Phone : +6622098000 Fax : +6622098008

E-mail address of person responsible for Safety Data Sheet:

ap-ua-psra.sea@henkel.com

Emergency information:

FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTRIC: +1 703-741-5970

Section 2. Hazards identification

GHS Classification:

Hazard Class	Hazard Category
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

GHS label elements:**Hazard pictogram:****Signal word:**

Warning

Hazard statement:

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precaution:**Prevention:**

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Section 3. Composition / information on ingredients**Substance or Mixture:**

Mixture

Declaration of hazardous chemical:

Hazard component CAS-No.	Content	GHS Classification
Quartz (SiO ₂) 14808-60-7	1- 10 %	
Ammonium benzoate 1863-63-4	1- 10 %	Acute toxicity 4; Oral H302 Skin corrosion/irritation 2 H315 Serious eye damage/eye irritation 2A H319 Specific target organ toxicity - single exposure 3 H335
Sodium hydroxide 1310-73-2	0.1- 1 %	Corrosive to metals 1 H290 Skin corrosion/irritation 1 H314 Acute hazards to the aquatic environment 3 H402

Section 4. First aid measures**Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.
Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Indication of immediate medical attention and special treatment needed:

See section: Description of first aid measures

Section 5. Fire fighting measures

Suitable extinguishing media:

All common extinguishing agents are suitable.

Combustion behaviour:

Non flammable product (flash point is greater than 100°C (CC))

Specific hazards arising from the chemical:

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) can be released.

Special protection equipment and precautions for firefighters:

Wear self-contained breathing apparatus.

Additional fire fighting advice:

In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions:

Avoid skin and eye contact.

Avoid contact with skin and eyes.

Wear protective equipment.

Environmental precautions:

Do not let product enter drains.

Clean-up methods:

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Section 7. Handling and storage

Handling:

Avoid skin and eye contact.

See advice in section 8

Storage:

Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

Section 8. Exposure controls / personal protection**Components with specific control parameters for workplace:**

SILICA, CRYSTALLINE-A-QUARTZ, RESPIRABLE FRACTION 14808-60-7	Value type	Time Weighted Average (TWA):
	mg/m³	0.025
	Remarks	ACGIH
QUARTZ, RESPIRABLE DUST 14808-60-7	Value type	Time Weighted Average (TWA):
	Remarks	TH OEL The exposure limit is calculated from the equation, 250/(%SiO ₂ +5), using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits.
QUARTZ, RESPIRABLE DUST 14808-60-7	Value type	Time Weighted Average (TWA):
	mg/m³	0.1
	Remarks	TH OEL The exposure limit is calculated from the equation, 10/(%SiO ₂ +2), using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits.
QUARTZ, TOTAL DUST 14808-60-7	Value type	Time Weighted Average (TWA):
	mg/m³	0.3
	Remarks	TH OEL The exposure limit is calculated from the equation, 30/(%SiO ₂ +2), using a value of 100% SiO ₂ . Lower values of % SiO ₂ will give higher exposure limits.
SODIUM HYDROXIDE 1310-73-2	Value type	Ceiling Limit Value:
	mg/m³	2
	Remarks	ACGIH
SODIUM HYDROXIDE 1310-73-2	Value type	Time Weighted Average (TWA):
	mg/m³	2
	Remarks	TH OEL

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

Body protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Engineering controls:

Ensure good ventilation/extraction.

Hygienic measures:

Good industrial hygiene practices should be observed.
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.

Section 9. Physical and chemical properties

Appearance:	pink liquid
Odor:	mild
Odor threshold (CA):	No data available.
pH:	6 - 87.0 - 10.0
Melting point / freezing point:	No data available.
Specific gravity:	1.1034
Boiling point:	100 °C (212 °F)
Flash point:	> 93 °C (> 199.4 °F)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	No data available.
Upper explosive limit:	No data available.
Vapor pressure: (; 20 °C (68 °F))	27 mbar
Vapor density:	No data available.
Density:	1.1 g/cm ³
Solubility:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
VOC content: (2010/75/EC)	< 3 %

Section 10. Stability and reactivity

Reactivity/Incompatible materials:

Strong oxidizing agents.

Chemical stability:

Stable under recommended storage conditions.

Conditions to avoid:

Stable under normal conditions of storage and use.

Hazardous decomposition products:

carbon oxides.

Section 11. Toxicological information

Oral toxicity:	Acute toxicity estimate (ATE) : > 2,000 mg/kg
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Method: Calculation method

Symptoms of Overexposure:
SKIN: Rash, Urticaria.
EYE: Irritation, conjunctivitis.

Acute oral toxicity:

Ammonium benzoate 1863-63-4	Value type	LD50
	Value	825 mg/kg
	Species	rat
	Method	Not specified
Sodium hydroxide 1310-73-2	Value type	LDLo
	Value	500 mg/kg
	Species	rabbit
	Method	

Serious eye damage/irritation:

Sodium hydroxide 1310-73-2	Result	corrosive
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Sodium hydroxide 1310-73-2	Result	not sensitising
	Test type	Patch-Test
	Species	human
	Method	

Germ cell mutagenicity:

Sodium hydroxide 1310-73-2	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	no data
	Method	

Section 12. Ecological information**Ecotoxicity:**

Do not empty into drains / surface water / ground water.

Toxicity:

Quartz (SiO ₂) 14808-60-7	Value type	LC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Fish
	Exposure time	
	Species	
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Quartz (SiO ₂) 14808-60-7	Value type	EC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Quartz (SiO ₂) 14808-60-7	Value type	EC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Algae
	Exposure time	
	Species	
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Quartz (SiO ₂) 14808-60-7	Value type	EC0
	Value	> 1,000 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	
	Species	
	Method	

Sodium hydroxide 1310-73-2	Value type	LC50
	Value	45.4 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Sodium hydroxide 1310-73-2	Value type	EC50
	Value	40.4 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Ceriodaphnia sp.
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Sodium hydroxide 1310-73-2	Value type	EC0
	Value	> 100 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	30 min
	Species	Pseudomonas putida
	Method	DIN 38412, part 27 (Bacterial oxygen consumption test)

Persistence and degradability:

Ammonium benzoate 1863-63-4	Result	readily biodegradable
	Route of application	aerobic
	Degradability	84 %
	Method	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)

Section 13. Disposal considerations**Product****Method of disposal:**

Dispose of in accordance with local and national regulations.

Contribution of this product to waste is very insignificant in comparison to article in which it is used

Packaging**Disposal of uncleaned packages:**

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Section 14. Transport information**General information:**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Section 15. Regulatory information

Regulatory Information:

Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

Global inventory status:

Regulatory list	Notification
TSCA	yes
AICS	yes
DSL	yes
PICCS (PH)	yes
IECSC	yes

Section 16. Other information

Disclaimer:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.