



## Safety Data Sheet

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LOCTITE SF 790 GASKET REMOVER known as LOCTITE®  
Chisel® Paint Strippe

SDS No. : 153698  
V001.9

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

**Product name:**

LOCTITE SF 790 GASKET REMOVER known as LOCTITE® Chisel® Paint Strippe

**Other means of identification:**

LOCTITE SF 790 AE18OZEN

**Product code:**

IDH135544

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

**Intended use:**

Cleaner

**Identification of manufacturer, importer or distributor**

**Manufacturer:** Henkel Corporation, Rocky Hill, 1001 Trout Brook Crossing, Rocky Hill, CT 06067-3910, United States.  
Phone: 001 860 571 5100

**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 CHEMTREC: +1 703-741-5970

### Section 2. Hazards identification

**GHS Classification:**

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Aerosol	Category 2	
Skin corrosion/irritation	Category 2	
Serious eye damage/eye irritation	Category 2A	
Germ cell mutagenicity	Category 1B	
Carcinogenicity	Category 1A	
Specific target organ toxicity - single exposure	Category 2	Central nervous system optic nerve

**GHS label elements:**

**Hazard pictogram:**



**Signal word:**

Danger

**Hazard statement:**

H223 Flammable aerosol.  
H229 Pressurized container: May burst if heated.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H371 May cause damage to organs.

**Precaution:**

**Prevention:**

P201 Obtain special instructions before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
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.  
P308+P311 If exposed or concerned: Call a POISON CENTER/doctor/...  
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.

**Storage:**

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal:**

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Section 3. Composition / information on ingredients**

**Substance or Mixture:**  
Mixture

**Declaration of hazardous chemical:**

Hazard component CAS-No.	Content	GHS Classification
dichloromethane 75-09-2	60- 100 %	Acute toxicity 5; Oral H303 Skin corrosion/irritation 2 H315 Serious eye damage/eye irritation 2A H319 Carcinogenicity 2 H351 Specific target organ toxicity - single exposure 3 H336 Acute hazards to the aquatic environment 3 H402
Petroleum gases, liquified, sweetened 68476-86-8	10- 30 %	Flammable gases 1 H220 Gases under pressure  Germ cell mutagenicity 1B H340 Carcinogenicity 1A H350
methanol 67-56-1	1- 10 %	Flammable liquids 2 H225 Acute toxicity 3; Oral H301 Acute toxicity 3; Inhalation H331 Acute toxicity 3; Dermal H311 Specific target organ toxicity - single exposure 1 H370

**Section 4. First aid measures**

**Inhalation:**

Move to fresh air.  
If not breathing, give artificial respiration.  
If breathing is difficult, give oxygen.  
If symptoms develop and persist, get medical attention.

**Skin contact:**

Immediately flush skin with plenty of water (using soap, if available).  
If symptoms develop and persist, get medical attention.

**Eye contact:**

Immediately flush eyes with plenty of water for at least 15 minutes.  
Seek medical advice.

**Ingestion:**

Do not induce vomiting.

Never give anything by mouth to an unconscious person.

If vomiting occurs, prevent aspiration by keeping the patient's head below the knees.

Call a physician immediately.

## Section 5. Fire fighting measures

**Suitable extinguishing media:**

Water spray (fog), foam, dry chemical or carbon dioxide.

**Combustion behaviour:**

In case of fire toxic / flammable gases can be released.

**Specific hazards arising from the chemical:**

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Aerosol cans may rupture in heat or fire conditions.

**Special protection equipment and precautions for firefighters:**

Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

**Hazardous combustion products:**

Irritating organic vapours.

Phosgene.

Hydrogen chloride.

Oxides of carbon.

## Section 6. Accidental release measures

**Personal precautions:**

Avoid skin and eye contact.

Wear protective equipment.

Ensure adequate ventilation.

See advice in section 8

**Environmental precautions:**

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

**Clean-up methods:**

Remove all sources of ignition.

Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition.

Store in a closed container until ready for disposal.

Soak up with inert absorbent.

Scrape up spilled material and place in a closed container for disposal.

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

**Section 7. Handling and storage**

**Handling:**

Avoid contact with eyes, skin and clothing.  
Avoid breathing mists or aerosols of this product.  
Use only with adequate ventilation.

**Storage:**

Do not store or use near heat, spark, open flame or other sources of ignition.  
Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

**Section 8. Exposure controls / personal protection**

Components with specific control parameters for workplace:

DICHLOROMETHANE 75-09-2	<b>Value type</b>	Time Weighted Average (TWA):
	<b>ppm</b>	50
	<b>Remarks</b>	ACGIH
METHYLENE CHLORIDE 75-09-2	<b>Value type</b>	Short Term Exposure Limit (STEL):
	<b>ppm</b>	125
	<b>Remarks</b>	TH OEL 15-min
METHYLENE CHLORIDE 75-09-2	<b>Value type</b>	Time Weighted Average (TWA):
	<b>ppm</b>	25
	<b>Remarks</b>	TH OEL
METHANOL 67-56-1	<b>Value type</b>	Time Weighted Average (TWA):
	<b>ppm</b>	200
	<b>Remarks</b>	ACGIH
METHANOL 67-56-1	<b>Value type</b>	Short Term Exposure Limit (STEL):
	<b>ppm</b>	250
	<b>Remarks</b>	ACGIH
METHANOL 67-56-1	<b>Value type</b>	Skin designation:
	<b>Remarks</b>	ACGIH Danger of cutaneous absorption

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).  
Ensure adequate ventilation.

**Eye protection:**

Safety goggles or safety glasses with side shields.  
Full face protection should be used if the potential for splashing or spraying of product exists.  
Protective eye equipment should conform to EN166.

**Body protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.  
Silver Shield gloves.  
Viton gloves.  
Polyvinyl alcohol gloves.  
4H gloves.  
EVAL-Laminate gloves.  
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Engineering controls:**

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**General protection and hygiene measures:**

The workplace should be equipped with an emergency shower and eye-rinsing facility.

**Hygienic measures:**

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Take off contaminated clothing and wash before reuse.

**Section 9. Physical and chemical properties**

<b>Appearance:</b>	grey, to, Off white Aerosol, liquid
<b>Odor:</b>	Sharp, Solvent
<b>Odor threshold (CA):</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting point / freezing point:</b>	No data available.
<b>Specific gravity:</b>	0.789
<b>Boiling point:</b>	No data available.
<b>Flash point:</b>	< 5 °C (< 41 °F)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Lower explosive limit:</b>	No data available.
<b>Upper explosive limit:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Solubility:</b>	Slightly soluble
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Auto ignition:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>VOC content:</b>	30 % 237 g/l

**Section 10. Stability and reactivity**

**Reactivity/Incompatible materials:**

Acids and bases.

Oxidizing agents.

Sodium.

Potassium.

**Chemical stability:**

Stable under recommended storage conditions.

**Conditions to avoid:**

Keep away from heat, spark and flame.

**Hazardous decomposition products:**

Hydrochloric acid.

Oxides of carbon.

Irritating organic vapours.

Phosgene.

**Section 11. Toxicological information**

**Oral toxicity:**

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

**Inhalative toxicity:** Acute toxicity estimate (ATE) : > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

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

Symptoms of Overexposure: None known.

**Acute oral toxicity:**

dichloromethane 75-09-2	Value type	LD50
	Value	2,120 mg/kg
	Species	rat
	Method	not specified
methanol 67-56-1	Value type	Acute toxicity estimate (ATE)
	Value	300 mg/kg
	Species	
	Method	Expert judgement

**Acute inhalative toxicity:**

dichloromethane 75-09-2	Value type	LC50
	Value	86 mg/l
	Exposure time	4 h
	Species	mouse
	Method	not specified

**Acute dermal toxicity:**

dichloromethane 75-09-2	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

**Skin corrosion/irritation:**

dichloromethane 75-09-2	Result	irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
methanol 67-56-1	Result	not irritating
	Exposure time	20 h
	Species	rabbit
	Method	BASF Test

**Serious eye damage/irritation:**

dichloromethane 75-09-2	Result	irritating
	Exposure time	
	Species	rabbit
	Method	not specified
methanol 67-56-1	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

dichloromethane 75-09-2	Result	not sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
methanol 67-56-1	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

dichloromethane 75-09-2	Result	positive
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
dichloromethane 75-09-2	Result	positive
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
dichloromethane 75-09-2	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
methanol 67-56-1	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
methanol 67-56-1	Result	negative
	Type of study / Route of administration	in vitro mammalian cell micronucleus test
	Metabolic activation / Exposure time	without
	Method	not specified
methanol 67-56-1	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
methanol 67-56-1	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
methanol 67-56-1	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Method	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Repeated dose toxicity:**

dichloromethane 75-09-2	Result	NOAEL=6 mg/kg
	Route of application	oral: drinking water
	Exposure time / Frequency of treatment	104 wdaily
	Species	rat
	Method	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
methanol 67-56-1	Result	NOAEL=6.63 mg/l
	Route of application	inhalation
	Exposure time / Frequency of treatment	4 weeks 6 h/d, 5 d/w
	Species	rat
	Method	not specified
methanol 67-56-1	Result	NOAEL=0.13 mg/l
	Route of application	inhalation
	Exposure time / Frequency of treatment	12 m20 h/d
	Species	rat
	Method	equivalent or similar to OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)



### Section 12. Ecological information

**General ecological information:** Do not empty into drains / surface water / ground water.

**Toxicity:**

dichloromethane 75-09-2	Value type	LC50
	Value	193 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
	Value type	NOEC
	Value	83 mg/l
	Acute Toxicity Study	Fish
	Exposure time	28 d
	Species	Pimephales promelas
	Method	other guideline:
dichloromethane 75-09-2	Value type	EC50
	Value	27 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
dichloromethane 75-09-2	Value type	EC50
	Value	> 660 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
dichloromethane 75-09-2	Value type	EC50
	Value	2,590 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	40 min
	Species	activated sludge, domestic
	Method	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
methanol 67-56-1	Value type	LC50
	Value	15,400 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Lepomis macrochirus
	Method	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians)
	Value type	NOEC
	Value	7,900 mg/l
	Acute Toxicity Study	Fish
	Exposure time	200 h
	Species	Oryzias latipes
	Method	OECD Guideline 210 (fish early lite stage toxicity test)
methanol 67-56-1	Value type	EC50
	Value	18,260 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	96 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
methanol 67-56-1	Value type	EC50
	Value	22,000 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
methanol 67-56-1	Value type	IC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	3 h
	Species	activated sludge of a predominantly domestic sewage
	Method	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

**Persistence and degradability:**

dichloromethane 75-09-2	Result	readily biodegradable
	Route of application	aerobic
	Degradability	68 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
methanol 67-56-1	Result	readily biodegradable
	Route of application	aerobic
	Degradability	82 - 92 %
	Method	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)

**Bioaccumulative potential / Mobility in soil:**

dichloromethane 75-09-2	Bioconcentration factor (BCF)	2 - 40
	Exposure time	42 d
	Species	Cyprinus carpio
	Temperature	25 °C
	Method	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
dichloromethane 75-09-2	LogPow	1.25
	Temperature	20 °C
	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
methanol 67-56-1	LogPow	-0.77
	Temperature	
	Method	other guideline:

**Section 13. Disposal considerations**

**Product**

**Method of disposal:**

Dispose of in accordance with local and national regulations.

**Packaging**

**Disposal of uncleaned packages:**

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

**Section 14. Transport information**

**Road transport ADR:**

Class: 2  
Packing group:  
Classification code: 5TF  
Hazard ident. number:  
UN no.: 1950  
Label: 2.1 (6.1)  
Technical name: AEROSOLS

**Railroad transport RID:**

Class: 2  
Packing group:  
Classification code: 5TF  
Hazard ident. number: 263  
UN no.: 1950  
Label: 2.1 (6.1)  
Technical name: AEROSOLS

**Inland water transport ADN:**

Class: 2  
Packing group:  
Classification code: 5TF  
Hazard ident. number:  
UN no.: 1950  
Label: 2.1, 6.1  
Technical name: AEROSOLS

**Marine transport IMDG:**

Class: 2.1  
Packing group:  
UN no.: 1950  
Label: 2.1 (6.1)  
EmS: F-D ,S-U  
Seawater pollutant: -  
Proper shipping name: AEROSOLS (Methylene chloride)

**Air transport IATA:**

Class: 2.1  
Packing group:  
Packaging instructions (passenger): 203  
Packaging instructions (cargo): 203  
UN no.: 1950  
Label: 2.1 (6.1)  
Proper shipping name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III

**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
DSL	yes
KECI (KR)	yes
ENCS (JP)	yes
IECSC	yes
AICS	yes
NZIOC	yes
PICCS (PH)	yes
CH INV	yes
EINECS	yes

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<b>Section 16. Other information</b>
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**Disclaimer:**

This Safety Data Sheet has been generated based on Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance. 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.

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