Safety Data Sheet

LOCTITE SF 768 BO1.75FOEN

SDS No. : 168419
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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name:
LOCTITE SF 768 BO1.75FOEN

Other means of identification:
LOCTITE SF 768 BO1.75FOEN

Product code:
IDH235018

Recommended use of the chemical and restrictions on use

Intended use:
Solvent

Manufacturer/Importer/Distributor Representative Company

Henkel Thailand Ltd. The Offices at Centralworld,
35th Floor, 999/9 Rama 1 Rd.,
Kwang Patumwan, Khet Patumwan,
10330 Bangkok

Thailand

Phone: +66 (2209) 8000
Fax-no.: +66 (2209) 8008

E-mail address of person responsible for Safety Data Sheet:
ap-ua-psra.sea@henkel.com

Emergency Telephone for Chemical Accidents:
FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call: +662 209 8008

Section 2. Hazards identification

GHS Classification:

Hazard Class	Hazard Category	Route of Exposure
Flammable liquids	Category 3	
Acute toxicity	Category 4	Oral
Toxic to reproduction	Category 2	

GHS label elements:

Hazard pictogram:



Signal word:
Warning

Hazard statement:
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H361 Suspected of damaging fertility or the unborn child.

Precaution:

Prevention:
P201 Obtain special instructions before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
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:
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P308+P313 IF exposed or concerned: Get medical advice/attention.
P330 Rinse mouth.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
P403+P235 Store in a well-ventilated place. Keep cool.
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
nitromethane 75-52-5	60- 100 %	Flammable liquids 3 H226 Acute toxicity 4; Oral H302
Toluene 108-88-3	1- 10 %	Flammable liquids 2 H225 Acute toxicity 5; Inhalation H333 Skin corrosion/irritation 2 H315 Toxic to reproduction 2 H361 Specific target organ toxicity - single exposure 3 H336 Specific target organ toxicity - repeated exposure 2; Inhalation H373 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 2 H401 Chronic hazards to the aquatic environment 3 H412

Section 4. First aid measures

Inhalation:
Move to fresh air. If symptoms persist, seek medical advice.
Consideration should be given to the possible effects of a faulty UV source (Stray radiation, ozone).

Skin contact:
Rinse with running water and soap.
If adverse health effects develop seek medical attention.

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

Ingestion:
Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media:
Carbon dioxide, foam, powder

Special protection equipment and precautions for firefighters:
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Hazardous combustion products:
Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

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:
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.
Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Handling:
Use only in well-ventilated areas.
Avoid skin and eye contact.
Avoid naked flames, sparking and sources of ignition.

Storage:
Store in original container at temperatures 8 - 21°C. (46.4 - 69.8°F)

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

NITROMETHANE 75-52-5	**Value type**	Time Weighted Average (TWA):
	ppm	20
	Remarks	ACGIH
NITROMETHANE 75-52-5	**Value type**	Time Weighted Average (TWA):
	ppm	100
	Remarks	TH OEL
Toluene 108-88-3	**Value type**	Time Weighted Average (TWA):
	ppm	200
	Remarks	TH OEL
Toluene 108-88-3	**Value type**	Time Weighted Average (TWA):
	ppm	20
	Remarks	ACGIH
Toluene 108-88-3	**Value type**	Ceiling Limit Value:
	ppm	300
	Remarks	TH OEL
Toluene 108-88-3	**Value type**	Short Term Exposure Limit (STEL):
	ppm	500
	Remarks	TH OEL 10-min

Respiratory protection:
Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

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.
Safety showers and eye wash stations should be available.
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.
Neoprene 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

Appearance:	Clear liquid
Odor:	Slight
Odor threshold (CA):	No data available.
pH:	No data available.
Melting point / freezing point:	No data available.

Specific gravity:	1.1
Boiling point:	111 °C (231.8 °F) Approximately
Flash point: (ASTM D3278;; Setaflash Closed Cup)	82.4 °F (28 °C)
Evaporation rate:	6 (Ether = 1), Approximately
Flammability (solid, gas):	No data available.
Lower explosive limit:	7.3 %(V)
Upper explosive limit:	No data available.
Vapor pressure: (; 20 °C (68 °F))	25 mm hg
Vapor density:	2.1 (Air = 1)
Density:	No data available.
Solubility:	Slightly soluble
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
VOC content:	100 % 1,100 g/l

Section 10. Stability and reactivity

Reactivity/Incompatible materials:
Amines.
Alkalis.
Acids.
Reducing agents.
Metal oxides.
Combustible materials.
Chemical stability:
Stable under recommended storage conditions.
Conditions to avoid:
Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products:
Oxides of carbon.
Oxides of nitrogen.

Section 11. Toxicological information

Oral toxicity: Acute toxicity estimate (ATE) : 989.47 mg/kg
Method: Calculation method

Symptoms of Overexposure**:** None known.

Acute oral toxicity:

Toluene 108-88-3	Value type	LD50
	Value	5,580 mg/kg
	Species	rat
	Method	EU Method B.1 (Acute Toxicity (Oral))

Acute inhalative toxicity:

Toluene 108-88-3	Value type	LC50
	Value	28.1 mg/l
	Exposure time	4 h
	Species	rat
	Method	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Toluene 108-88-3	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	not specified

Skin corrosion/irritation:

Toluene 108-88-3	Result	irritating
	Exposure time	4 h
	Species	rabbit
	Method	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Toluene 108-88-3	Result	slightly irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Toluene 108-88-3	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	EU Method B.6 (Skin Sensitisation)

Germ cell mutagenicity:

Toluene 108-88-3	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	EU Method B.13/14 (Mutagenicity)
Toluene 108-88-3	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)
Toluene 108-88-3	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	rat
	Method	not specified
Toluene 108-88-3	Result	negative
	Type of study / Route of administration	inhalation: vapour
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)

Repeated dose toxicity:

Toluene 108-88-3	Result	NOAEL=625 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	13 wdaily, 5 d/w
	Species	rat
	Method	EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Toluene 108-88-3	Result	NOAEL=1131 mg/m3
	Route of application	inhalation: vapour
	Exposure time / Frequency of treatment	24 m6.5 h/d, 5 d/w
	Species	rat
	Method	equivalent or similar to OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Toluene 108-88-3	Result	NOAEL=2355 mg/m3
	Route of application	inhalation: vapour
	Exposure time / Frequency of treatment	15 w6.5 h/d, 5 d/w
	Species	rat
	Method	EU Method B.29 (Sub-Chronic Inhalation Toxicity Test:90-Day Repeated Inhalation Dose Study Using Rodent Species)

Section 12. Ecological information

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

Ecotoxicity:

Toxicity:

Toluene 108-88-3	Value type	NOEC
	Value	3.2 mg/l
	Acute Toxicity Study	Fish
	Exposure time	28 d
	Species	Cyprinodon variegatus
	Method	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
	Value type	LC50
	Value	5.5 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus kisutch
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Toluene 108-88-3	Value type	EC50
	Value	3.78 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Ceriodaphnia dubia
	Method	other guideline:
Toluene 108-88-3	Value type	IC50
	Value	12 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Toluene 108-88-3	Value type	NOEC
	Value	29 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	16 h
	Species	Pseudomonas putida
	Method	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)

Persistence and degradability:

Toluene 108-88-3	Result	readily biodegradable
	Route of application	aerobic
	Degradability	80 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Toluene 108-88-3	Bioconcentration factor (BCF)	90
	Exposure time	3 d
	Species	Leuciscus idus melanotus
	Temperature	
	Method	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
Toluene 108-88-3	LogPow	2.73
	Temperature	20 °C
	Method	EU Method A.8 (Partition Coefficient)

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:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	
UN no.:	1261
Label:	3
Technical name:	NITROMETHANE (solution)

Railroad transport RID:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1261
Label:	3
Technical name:	NITROMETHANE (solution)

Inland water transport ADN:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	
UN no.:	1261
Label:	3
Technical name:	NITROMETHANE (solution)

Marine transport IMDG:

Class:	3
Packing group:	II
UN no.:	1261
Label:	3
EmS:	F-E ,S-D
Seawater pollutant:	-
Proper shipping name:	NITROMETHANE (solution)

Air transport IATA:

Class:	3
Packing group:	II
Packaging instructions (passenger):	
Packaging instructions (cargo):	364
UN no.:	1261
Label:	3
Proper shipping name:	Nitromethane (solution)

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
ISHL (JP)	yes
IECSC	yes
AIIC	yes
TCSI	yes
PICCS (PH)	yes
INSQ	yes
EINECS	yes

Section 16. Other information

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.
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