



Revision Number: 001.3

Issue date: 08/03/2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE SF 7109 ACTIVATOR known as LOCTITE® 7109™ Tak Pak® ACCELE
IDH number: 135336
Product type/use: Activator
Item number: 22440
Restriction of Use: None identified
Region: United States
Company address: Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067
Contact information:
 Telephone: +1 (860) 571-5100
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
WARNING: MAY CAUSE AN ALLERGIC SKIN REACTION.

HAZARD CLASS	HAZARD CATEGORY
SKIN SENSITIZATION	1



Precautionary Statements

Prevention: Avoid breathing vapors, mist, or spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.
Response: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.
Storage: Not prescribed
Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Ethyl nonafluoroisobutyl ether	163702-06-5	30 - 60
Butane, 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluoro-	163702-05-4	30 - 60
N,N-Dimethyl-p-toluidine	99-97-8	0.1 - 1
Terpenes and Terpenoids, sweet orange-oil	68647-72-3	0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Wash with soap and water. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. If symptoms develop and persist, get medical attention.
Ingestion:	Do not induce vomiting. If symptoms develop and persist, get medical attention.
Symptoms:	See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Use media appropriate for surrounding material.
Special firefighting procedures:	Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.
Unusual fire or explosion hazards:	Vapors may form explosive mixtures with air.
Hazardous combustion products:	Oxides of carbon. Hydrogen fluoride. Perfluoroisobutylene.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not empty into drains / surface water / ground water / soil. Ventilate area.
Clean-up methods:	Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Keep container closed. Avoid contact with eyes, skin and clothing.
Storage:	Store in original container until ready to use. Keep in a cool, well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ethyl nonafluoroisobutyl ether	None	None	None	200 ppm (2,160 mg/m ³) TWA(as total isomers)
Butane, 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluoro-	None	None	None	200 ppm (2,160 mg/m ³) TWA(as total isomers)
N,N-Dimethyl-p-toluidine	None	None	0.5 ppm TWA	None
Terpenes and Terpenoids, sweet orange-oil	None	None	None	None

Engineering controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
Eye/face protection:	Safety goggles or safety glasses with side shields.

Skin protection:

Chemical resistant, impermeable gloves. Neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless
Odor:	of amine
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	Not available.
Boiling point/range:	Not available.
Melting point/ range:	Not applicable, Product is a liquid
Specific gravity:	1.43
Vapor density:	Not available.
Flash point:	> 100 °C (> 212°F) ASTM D3278 Setaflash Closed Cup
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Flammability:	Not applicable
Evaporation rate:	Not available.
Solubility in water:	Not available.
Partition coefficient (n-octanol/water):	Not available.
VOC content:	0.89 % (calculated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Not available.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Hydrogen fluoride. Oxides of carbon. Perfluoroisobutylene. Toxic fumes.
Incompatible materials:	Oxidizing agents. Strong acids. Strong bases.
Reactivity:	Not available.
Conditions to avoid:	Not available.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Not available.
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Potential Health Effects/Symptoms

Inhalation: Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.
Skin contact: May cause allergic skin reaction.
Eye contact: May cause eye irritation.
Ingestion: Not expected under normal conditions of use.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Ethyl nonafluoroisobutyl ether	None	No Data
Butane, 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluoro-	None	No Data
N,N-Dimethyl-p-toluidine	Inhalation LC50 (Rat, 4 h) = 1,400 mg/m ³ Inhalation LC50 (Mouse, 4 h) = 52 ppm	Mutagen, Allergen
Terpenes and Terpenoids, sweet orange-oil	None	No Records

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl nonafluoroisobutyl ether	No	No	No
Butane, 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluoro-	No	No	No
N,N-Dimethyl-p-toluidine	No	Group 2B	No
Terpenes and Terpenoids, sweet orange-oil	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
TSCA 12 (b) Export Notification:	Butane, 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluoro- (CAS# 163702-05-4).
CERCLA/SARA Section 302 EHS:	None above reporting de minimis.
CERCLA/SARA Section 311/312:	Immediate Health
CERCLA/SARA Section 313:	None above reporting de minimis.
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status:	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
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16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 9

Prepared by: Product Safety and Regulatory Affairs

Issue date: 08/03/2022

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