
Product and Company Identification
FUSE

Date of MSDS: 2008/02/28

Product Identification: Fuse

Product Class/Use: Repair Liquid

Company Name: **PERFLEX Ltd.**

7 Giborey Israel St. Industrial Area Poleg

Netanya 4250407, P.O.B 8123, Israel

General Information Telephone: Emergency Telephone: Not required by regulations.

Composition/Information on Ingredients
FUSE

Product Composition	Approx Weight %	ACHIH TLV TWA STEL	OSHA PEL TWA STEL	Units
Hazardous				
N- Butyl Alcohol 71-36-3	1-5	50 NE	50 NE	PPM
Acetone 67-64-1	10-30	750 1000	750 1000	PPM
Isopropyl Alcohol 67-63-0	10-30	400 500	400 500	PPM
Cilicic Acid (H4SI04) Tetraethylester, Homopolymer 26352-16-9	1-5	10 NE	10 NE	PPM
Non- Hazerdous				
Silanol/STPD Siloxane W/ME SILSQXNS 68554-67-6	10-30	NF NE	NF NE	NA

First Aid
FUSE

Ingestion: Do not induce vomiting. Carefully water down with ½ glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Skin: Remove contaminated clothing and wash before using again. Wash with soap and water. If irritation occurs apply Olive Oil to reduce it. If irritation continues, contact medical assistance.

Inhalation: If inhaled, remove to fresh air. If not breathing, provide respiration, possibly mouth-to-mouth. If breathing, giving oxygen will be difficult. Get medical attention.

Eyes: In case of contact, flush eyes immediately with an ample amount of water for at least 15 minutes and seek medical attention quickly after flushing.

Note to Physician: None known.

Hazards Identification
FUSE

Emergency Overview:

- Minor Yellow Liquid
- Fragrant Solvent Scent
- Damaging if ingested
- Harmful if soaked in the skin
- Refrain from breathing vapors
- Keep away from skin and eyes
- Creates skin irritation
- Can produce serious eye irritation
- Too much inhalation can cause headaches, dizziness, nausea, and coordination loss.
- Refer to other MSDS sections for further information

Stability and Reactivity
FUSE

Stability: Stable
Hazardous Polymerization: Will not occur.

Hazardous Thermal Decomposition/Combustion Products:

- Carbon Monoxide
- Carbon Dioxide
- Silicon Dioxide
- Oxides of Nitrogen

Incompatibility (materials to avoid): Contact with oxidizing agents.

Conditions to avoid:

- Avoid heat, sparks and flame
 - Avoid sources for ignition
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Physical and Chemical Properties
FUSE

Mixture							
Boiling point		95		[C]	180		(F)
Vapor Pressure (20c)(mm HG)		22		[C]			
Vapor Density (air=1)		3.1					
Product information							
Boiling point		95		[C]	180		(F)
Vapor Pressure (20c)(mm HG)		NA					
Vapor Density		NA					
Freezing point		-34		[C]	<-30		(F)
Melting point	NA			[C]NA			(F)
Physical State		liquid					
Odor		Pungent/Solvent					
Color		Light yellow to brown					
Odor Threshold (PPM)		100					
% Volatile by Volume		83					
Evaporation Rate (Butyl Acetate=1)		>1					
Specific Gravity (water=1)		0.8					
Density (KG/M3)		0.855					
Acid/alkalinity (MEG/G)		-7					
PH		NA					
VOC (EPA METH.24) (G/L)		696					
Solubility in Water (20C)		Slowly Hydrolyze					
Solubility in Organic Solvent (state solvent)		Soluble, aromatic solvent					

Toxicological Information
FUSE

Toluene

Acute Oral LD50 (MS/KG) 5000 (RAT)
 Acute Dermal LD50 (MG/KG) 14,000 (RBT)
 Acute Inhalation LC50 (MG/L) 5320 PPM/8HR (RAT)
 Other: Tested for acute oral, dermal and inhalation.

Ames Test

Industry Secret Element

Acute Oral LD50 (MS/KG) NA
 Acute Dermal LD50 (MG/KG) NA

Transport Information
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DOT Shipping Name: Flammable Liquid Nos. (contains acetone)
DOT Hazard Class: 3
DOT Label(s): Flammable Liquid
UN/NA Number: UN1993
Placards: Flammable Liquid
IATA:
Flammable Liquid N.O.S. (acetone), 3, UN1993, II, RQ=5000LB (acetone), RQ=1000
LB (Toluene)
IMO IMDG-code: Flammable 3.2
European Class
RID (OCTI): 3
ADR (ECE): 3,2301,1A
RAR (IATA): 3

Disposal Method
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Disposal Method:
Disposal should be made in accordance with federal, state and local guidelines.

Ecological Information
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Ecotoxicological Information: No current data available.
Chemical Fate Information: No current data available.

Regulation Information
FUSE

SARA Section 302: None found
SARA Section 311, 312 Hazard Class:

- Acute Health Hazard
- Chronic Health Hazard
- Fire Hazard

SARA Section 313 Chemicals: This product contains toxic chemical(s) listed, which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
Acetone 67-64-1
CPSC Classification: NA
WHMIS Hazard Class: B2 Flammable Liquids
D2b Toxic Material
WHMIS Trade Secret: The hazardous trade secret element in Section 2 is an alkoxy silane. The Canadian WHMIS registry number is 1074-001

Other Information
FUSE

This product or its items are on the European Inventory of existing commercial chemicals (EINECS). These data are provided in good faith as common values and not as product condition. No warranty, either expressed or implied, is made. The recommended handling procedures are perceived to be regularly pertinent. However, each user should assess these recommendations in the particular section to which they pertain.

This product or its components are on the Australian inventory (ACOIN)

Abbreviations

C = Ceiling Limits

NF = None found

SKN = Skin

TS = Trade Secret

R = Recommended

MST = Mist

NT = Not Tested

NE = None established

ND = None determined

STEL = Short term exposure limit

PEL = Permissible Exposure Limit

TLV = Threshold Limit Value

N/A = Not Applicable

NOTICE

All information, recommendations and suggestions appearing herein concerning the product are based upon data obtained from the manufacturer and/ or recognized technical sources; however, PERFLEX LTD makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by PERFLEX LTD. As to the effects of such use, PERFLEX LTD does not assume any liability arising out of use by others of the products referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.
