SAFETY DATA SHEET

GLYCERINE

Preparation Date: 11/Mar/2019

	1. IDENTIFICATIO	N
Product identifier		
Product Name	GLYCERINE (BAKER B1000)	
Other means of identification	n	
Synonym	Glycerine.	
Recommended Use		ier, emollient, plasticizer, humectant, sweetene d paints, cosmetics, drug and food products. lerivatives.
Restricted Uses	No information available	
GP Chemicals Specialty Ltd. 10-55 West Beaver Creek Roa Richmond Hill, ON L4B 1K5 1-905-731-3622 Emergency telephone numb		
	Number (CANUTEC): 1-888-226-8832	
Hazardous Classification of	the substance or mixture	
none Label elements		
Hazard pictograms	None	
	None	Page 1/

Hazard statements

The mixture does not meet the criteria for classification.

Prevention

Wash hands thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection In case of inadequate ventilation wear respiratory protection

Response

Read the label and safety data sheet before use. Flush eyes with plenty amounts of water. If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention Move person to fresh air.

Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Storage

Store locked up Store in accordance with good industrial practices.

Disposal

Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations

Unknown acute toxicity

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	Weight-%	Synonyms
Glycerine	56-81-5	80 - 100%	Glycerine

Notes:

The actual percentage concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Inhalation

Remove to fresh air.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

Wash skin with soap and water.

Ingestion

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Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed:

May cause slight transient (temporary) eye irritation. Contact with heated material may cause thermal burns. Not expected to cause skin irritation. Small amounts swallowed incidental to normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury. Mists may cause irritation of upper respiratory tract. Should not be hazard at ambient temperatures.

Indication of any immediate medical attention and special treatment needed:

Note to physicians

Treatment based on sound judgment of physician and individual reactions of patient.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the substance or mixture

Contact of glycerin with strong oxidizing agents such as nitric acid or other strong acids, chromium trioxide, potassium chlorate or potassium permanganate may cause an explosion.

Hazardous combustion products

Acrolein. Decomposition temperature: 200°C / 392 °F.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Environmental precautions

See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

Precautions for safe handling

No special handling required. Avoid direct or prolonged contact with skin and eyes. Prevent formation of mist. Eye and skin contact should be avoided if handling at elevated temperatures.

Conditions for safe storage, including any incompatibilities

Place away from incompatible materials. Store in clean tight containers to prevent moisture pickup from air. Store in resin-lined steel, aluminum, stainless steel, or reinforced fiberglass vessels.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	Alberta OEL	British Columbia OEL	Ontario	Quebec OEL	Exposure Limit - ACGIH	Immediately Dangerous to Life or Health - IDLH
Glycerine 56-81-5	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	Not available	TWA: 10 mg/m ³	Not available	Not available

Consult local authorities for recommended exposure limits

Appropriate engineering controls

Engineering controls

General (mechanical) room ventilation is expected to be satisfactory.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses with side shields or chemical goggles.

Hand protection

Appropriate chemical resistant gloves should be worn. Nitrile gloves. Neoprene gloves. Polyvinylchloride (PVC) gloves. Polyethylene gloves.

Skin and body protection

Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Respiratory protection

Not normally needed. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with combination filter (type A2/P2).

General hygiene considerations

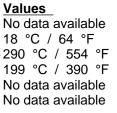
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Liquid
Water white
Mild
No information available

PROPERTIES	1
рН	
Melting point / freezing point	
Initial boiling point/boiling rang	je 2
Flash point	
Evaporation rate	I
Flammability (solid, gas)	I
Flammability Limit in Air	



Remarks • Method

@ 760 mmHg Pensky-Martens Closed Cup None known None known

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Upper flammability limit: Lower flammability limit: Vapor pressure Relative vapor density Specific Gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature	No data available No data available <0.2 mmHg @ 100°C No data available 1.26 Miscible in water No data available No data available 370 °C / 698 °F	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	1412 mPa.s @ 20°C	
Dynamic viscosity	No data available	None known
Explosive properties	No information available.	
Oxidizing properties	No information available.	
Molecular weight VOC Percentage Volatility Liquid Density Bulk density	No information available No information available No information available No information available	

Reactivity/Chemical Stability

Stable under normal conditions

Possibility of hazardous reactions No additional remark.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents. Contact of glycerin with strong oxidizing agents such as Nitric Acid or other strong acids, Chromium Trioxide, Potassium Chlorate, or Potassium Permanganate may cause an explosion.

10. STABILITY AND REACTIVITY

Hazardous decomposition products

Acrolein. Decomposition temperature: 200°C / 392 °F.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation

Mists may cause irritation of upper respiratory tract. Should not be hazard at ambient temperatures.

Eye contact

May cause slight transient (temporary) eye irritation.

Skin contact

Contact with heated material may cause thermal burns. Not expected to cause skin irritation.

Ingestion

Small amounts swallowed incidental to normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury.

Information on toxicological effects

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Symptoms

No information available.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	12,600.00	mg/kg
ATEmix (dermal)	10,010.00	mg/kg

Unknown acute toxicity

No information available

Che	emical Name	Oral LD50	Dermal LD50	Inhalation LC50
	Glycerine 56-81-5	= 12600 mg/kg(Rat)	> 10 g/kg (Rabbit)	> 570 mg/m³(Rat)1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Contact with heated material may cause thermal burns. Not expected to cause skin irritation.

Serious eye damage/eye irritation

May cause slight transient (temporary) eye irritation.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

(Chemical Name	ACGIH	IARC	NTP	OSHA
	Glycerine 56-81-5	Not available	Not available	Not available	Not available

Reproductive toxicity

No information available.

Specific target organ systemic toxicity - single exposure

No information available.

Specific target organ systemic toxicity - repeated exposure No information available.

Aspiration hazard

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Fish Species Data	Toxicity to microorganisms	Crustacea
Glycerine 56-81-5	Not available	51 - 57 mL/L LC50 (Oncorhynchus mykiss)	Not available	EC50: >500mg/L (24h, Daphnia magna)
		96 h static		





Persistence and degradability No information available.

Bioaccumulation No information available.

Component Information

Chemical Name	Partition coefficient
Glycerine	-1.76
56-81-5	

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Do not reuse empty containers.

14. TRANSPORT INFORMATION

<u>TDG (Canada):</u>	
UN Number	Not applicable
Shipping name	Not regulated
Class	Not applicable
Packing Group	Not applicable
Marine pollutant	Not available.
DOT (U.S.)	
UN Number	Not applicable
Shipping name	Not regulated
Class	Not applicable
Packing Group	Not applicable
Marine pollutant	Not available

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Regulatory Rules					
Chemical Name	CERCLA/SARA - Section 302:	SARA (311, 312) Hazard Class:	CERCLA/SARA - Section 313:		
Glycerine - 56-81-5	Not Listed	Not Listed	Not Listed		
International Inventories					
TSCA	All components of this product are either on the Toxic Substances Control Act				
	(TSCA) Inventory List or exempt.				
DSL/NDSL	All components of this product are either on the Domestic Substances List (DSL),				
	the Non-Domestic Substances List (NDSL) or exempt.				

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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information@itm.com

16. OTHER INFORMATION						
NFPA:	Health hazards 0	Flammability 1 Flammability 1	Instability 0 Physical hazards 0	Physical and chemical properties Personal protection X		
HMIS:	Health hazards 0					
LegendSection8: EXPOSURE CONTROLS/PERSONAL PROTECTIONTWATWA (time-weighted average)STELCeilingMaximum limit value**Stin designation						
Prepared By:	The Environment, Health and Safety Department of Univar Canada Ltd.					
Preparation Date: Revision Date:	11-Mar-20 03-Oct-201	-				
Disclaimer						

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End of Safety Data Sheet

