Safety Data Sheet

1. Identification of the substance and of the supplier

Product identifier Product name	 BREAK 500
Recommended use of the chemical and restrictions on use	Brake fluid
Manufacture 's details Company Address Phone number Fax Emergency phone number	 2098 M Tower Building, 8th Floor, Sukhumvit Road, Phrakanong Tai, Phrakanong, Bangkok 10260 Thailand +66 2335 4999 +66 2016 3991 +66 2335 8888

2. Hazards Identification

GHS classification of the substance /mixture	
Acute oral toxicity	Category 4
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity - repeated exposure	Category 2

GHS label elements	
Pictogram	
Signal word	DANGER
Hazard statement(s)	H302 – Harmful if swallowed. H318: Causes serious eye damage H373 – May causes damage to organs through prolonged or repeated exposure.
Precautionary statement(s)	P260 – Do not breathe dust/fumes/gas/mist/vapours/spray. P264 – Wash skin thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P280: Wear protective gloves/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue

	rinsing. P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards which do not result in classification	Not available

3. Composition/Information on Ingredients

Components	CAS No.	Concentration %
Triethylene Glycol Monobutyl Ether	143-22-6	50-100
Tris(2-(2-(2-methoxyethoxy)ethoxy)ethyl)	30989-05-0	25-50
Triethylene glycol	112-27-6	10-25

4. First Aid Measures

Description of first aid measures	
Inhalation	Remove from further exposure.
Skin contact	Wash contact areas with soap and water**.** If irritation occurs, get medical assistance
Eye contact	Flush thoroughly with water for 15 minute. If irritation occurs, get medical assistance.
Ingestion	If swallow, DO NOT induce vomiting. Keep at rest. Get prompt medical attention
Indication of any immediate medical attention and special treatment needed :	Treat symphonically

5. Fire Fighting Measures

Extinguishing media	
Suitable extinguishing media	Use foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Water jet
Special hazards arising from the substance or mixture	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons and soot. These may be highly dangerous if inhaled.
Special protective equipment and precautions for fire-fighters	Wear self-contained breathing apparatus for firefighting. Use water spray to cool unopened containers.

6. Accidental Release Measure

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Do not let product enter drains.

Methods and materials for containment and cleaning up	For small spills, add absorbent or sand , scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7. Handling and Storage

Precautions for safe handling	Avoid contact with eyes, skin and clothing. Use only with adequate ventilation.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls/Personal Protection

Control parameters	Not establish
Appropriate engineering controls	Use ventilation, local exhaust ventilation
Personal protective equipment Respiratory protection Skin protection Eye/face protection Body Protection	 Breathing protection. Use filter respirator suitable for organic vapours Protective gloves. Wear safety goggles, safety glass Chemical suit
Work / Hygienic Practices:	Do not eat, drink, or smoke during work. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

9. Physical and Chemical Properties

Appearance and Color:	Clear to yellow liquid, Bright&Clear
Odour:	Characteristic
Kinematics Viscosity	Not determined
Flash point:	N/A
Upper/lower flammability or explosive limits:	Lower : 0.9% v/v - Upper : 9.2% v/v
Auto ignition temperature:	202 °C
Density@20 °C:	1.04 g/cm^3
Water solubility:	Not miscible

10. Stability and Reactivity

Reactivity	Not available
Chemical stability	Stable
Possibility of hazardous reactions	Will not occur
Conditions to avoid	Heat, flames and sparks. sunlight
Incompatible materials	Strong oxidized
Hazardous decomposition products	Not available

11. Toxicological Information

Information on the likely routes of exposure	
Inhalation :	Minimally Toxic. Based on assessment of the components.
Skin contact :	Minimally Toxic. Based on assessment of the components.
Eye contact :	Minimally Toxic. Based on assessment of the components.
Ingestion :	Minimally Toxic. Based on assessment of the components.
Numerical measures of toxicity	
Classification of Health Hazards	
Acute oral toxicity	ATE_{mix} 3500 - 5000 mg/kg May be harmful if swallowed
Acute dermal toxicity	Not classified
Acute inhalation toxicity	ATE_{mix} 1.0-5 mg/l Harmful if inhaled
Skin corrosion / irritation	Not classified
Serious eye damage/eye irritation	Not classified
Respiratory or skin sensitization	Not possible to clarified
Germ cell mutagenicity	Not possible to clarified
Carcinogenicity	Not possible to clarified
Reproductive toxicity	Suspected of damaging fertility or the unborn child
Specific target organ toxicity - single exposure	Not possible to clarified
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure
Aspiration hazard	May be fatal if swallowed and enters airways

12. Ecological Information

Ecotoxicity	
Acute (Short- term) aquatic hazard	Not possible to clarified
Long-term aquatic hazard	Not possible to clarified
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available
Environmental effects	No data available

13. Disposal Considerations

Waste treatment methods	Dispose in accordance with local/national/international regulations.
Contaminated packaging	Dispose of container in accordance with local/national /international regulations.

14. Transport Information

UN number	Not regulated as dangerous goods
UN proper shipping name	Not regulated as dangerous goods
Transport hazard class (es)	Not regulated as dangerous goods
Packaging group	Not classified
Environmental hazards	No data available
Transport in bulk	No data available
Special precautions for user	No data available

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This material is considered hazardous according to the classification criteria of the Hazard Classification and Communication System for Hazardous Materials BE 2555. Thailand
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other Information

Created: July 12, 2019

Updated: January 1, 2023

Reference

1. National Institute of Technology and Evaluation (SAFE NITE)

http://www.safe.nite.go.jp/english/ghs/ghs_index.html

2. Globally Harmonized System of Classification and Labelling of Chemical (GHS), United Nation, 2011