

This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

Revision date 21-Feb-2024

Revision Number 1

Picture in the set of identification:Picture and of identification:Picture colspan="2">Ro-BG7650-25MGSummed use of the chemic transformer set in the set of the set o	1. Identification		
Other means of identification TRC-B677650-25MG Product Code(s) None Symonyms None Recommended use of the chemications on use Recommended use Recommended use Laboratory use Restrictions on use Not to be used for human or animal consumption Details of the supplier of the safety tat sheet Supplier Address VHG VHG LGC Standards 276 Abby Road Manchester, NH 03103 WINTED STATES OF AMERICA Fax: +1 (603) 622-7680 Email: Igcusa@Igcgroup.com VHE Igcstandards.com Email: Igcusa@Igcgroup.com sds-request@Igcgroup.com Fax: +1 (603) 622-7680 sds-request@Igcgroup.com Email: Igcusa@Igcgroup.com sds-request@Igcgroup.com Web: Igcstandards.com sds-request@Igcgroup.com Emergency telephone number: For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Soute S	Product identifier		
Product Code(s) TRC-B677650-25MG Synonyms None Recommended use of the chemical-mestrictions on use. Restrictions on use Restrictions on use Laboratory use Restrictions on use Not to be used for human or animal consumption Details of the supplier of the safetsture state sheet. Supplier Address VHG LGC Standards 276 Abby Road Manchester, NH 03103 WHFED STATES OF AMERICA- Tel:+1 (603) 622-7660 Fax:+1 (603) 622-75180 Email: Igcusa@lgcgroup.com Web: Igcstandards.com sds-request@lgcgroup.com Email: Igcusa@lgcgroup.com sds-request@lgcgroup.com Web: Restrote the subplier of human Supplier Address For Hazardous Materials to Pangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Spill, Le	Product Name	(4S)-Brivaracetam	
Synonyms None Recommended use of the chemical and restrictions on use. Recommended use Laboratory use Restrictions on use Not to be used for human or animal consumption Details of the supplier of the safety data sheet. Supplier Address VHG LGC Standards Z76 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA Junited States	Other means of identification		
Recommended use of the chemical and restrictions on use Recommended use Laboratory use Restrictions on use Not to be used for human or animal consumption Details of the supplier of the safety data sheet Supplier Address VHG LGC Standards 276 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA Tel :+1 (603) 622-7660 Fax : +1 (603) 622-5180 Email : Igcusa@lgcgroup.com Web : Igcstandards.com sds-request@lgcgroup.com Emergency telephone number sds-request@lgcgroup.com For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: VBA & Canada 1-800-424-9300 Home Standards Canada 1-800-424-9300 Home Standards Canada 1-800-424-9300	Product Code(s)	TRC-B677650-25MG	
Recommended use Laboratory use Restrictions on use Not to be used for human or animal consumption Details of the supplier of the safety data sheet. Image: Constraint of the safety data sheet. Supplier Address VHG LGC Standards 276 Abby Road Manchester, NH 03103 Image: Constraint of the safety data sheet. Tel :+1 (603) 622-7660 Fax :+1 (603) 622-7180 Email : Igcusa @ligcgroup.com sds-request@ligcgroup.com Web : Igcstandards.com sds-request@ligcgroup.com Emergency telephone number. sds-request@ligcgroup.com For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident	Synonyms	None	
Restrictions on use Not to be used for human or animal consumption Details of the supplier of the safety Jata sheet. Supplier Address VHG LGC Standards 276 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA Tel :+1 (603) 622-7660 Fax : +1 (603) 622-5180 Email : Igcusa@lgcgroup.com Web: Igcstandards.com Vef Email sds-request@lgcgroup.com Supplier Address VHG LGC Standards.com Emergency telephone number. Energency telephone number. Evergency Telephone For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Spill, Leak, Fire Exposure, or Accident Spill	Recommended use of the chemical	and restrictions on use	
Details of the supplier of the safety data sheet Supplier Address VHG LGC Standards 276 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA Tel :+1 (603) 622-7660 Fax : +1 (603) 622-5180 Email : Igcusa@lgcgroup.com Web : Igcstandards.com E-mail sds-request@lgcgroup.com Staregency telephone number Emergency telephone number For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident	Recommended use	Laboratory use	
Supplier Address VHG LGC Standards 276 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA Tel :+1 (603) 622-7660 Fax : +1 (603) 622-7660 Fax : +1 (603) 622-5180 Email : Igcusa@lgcgroup.com Web : Igcstandards.com E-mail sds-request@lgcgroup.com Emergency telephone number Emergency Telephone For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposue, or Accident USA & Canada 1-800-424-9300	Restrictions on use	Not to be used for human or animal consumption	
VHG LGC Standards 276 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA Tel :+1 (603) 622-7660 Fax :+1 (603) 622-5180 Email : Igcusa@lgcgroup.com Web : Igcstandards.com E-mail sds-request@lgcgroup.com Emergency telephone number Emergency telephone number Emergency Telephone For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300	Details of the supplier of the safety	data sheet	
LGC Standards 276 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA Tel :+1 (603) 622-7660 Fax : +1 (603) 622-5180 Email : Igcusa@Igcgroup.com Web : Igcstandards.com E-mail sds-request@Igcgroup.com Emergency telephone number Emergency telephone number For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300	Supplier Address		
Fax : +1 (603) 622-5180 Email : lgcusa@lgcgroup.com Web : lgcstandards.com E-mail sds-request@lgcgroup.com Emergency telephone number Emergency Telephone For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300	LGC Standards 276 Abby Road Manchester, NH 03103		
E-mail sds-request@lgcgroup.com Emergency telephone number For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300	Fax : +1 (603) 622-5180		
Emergency telephone number Emergency Telephone For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300	Web : lgcstandards.com		
Emergency Telephone For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300	E-mail	sds-request@lgcgroup.com	
For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300	Emergency telephone number		
2. Hazard(s) identification	For Hazardous Materials or Dangerous Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300 Rest of the world +1 703-741-5970		



This safety data sheet was created pursuant to the requirements of:

OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

Classification

Classified according to OSHA.

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Warning

Hazard statements Classified according to OSHA. Harmful if swallowed Causes serious eye irritation



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear eye protection/ face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell Rinse mouth

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available.

3. Composition/information on ingredients



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

Substance

Formula C 11 H 20 N 2O 2

Chemical name	CAS No.	Weight-%	Trade secret
(4S)-Brivaracetam	357336-19-7	100	*

4. First-aid measures		
Description of first aid measures		
General advice	Show this safety data sheet to the doctor in attendance.	
Inhalation	Remove to fresh air.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.	
Skin contact	Wash skin with soap and water.	
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.	
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).	
Most important symptoms and effects, both acute and delayed		
Symptoms	May cause redness and tearing of the eyes. Burning sensation.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Treat symptomatically.	
5. Fire-fighting measures		
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the	

Suitable Extinguishing Media	Se extinguishing measures that are appropriate to local circumstances and the surrounding environment. CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the	No information available.



This safety data sheet was created pursuant to the requirements of:

OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

chemical

Explosion data Sensitivity to mechanical impac	t None.
Sensitivity to static discharge	None.
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

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.	
Other information	Refer to protective measures listed in Sections 7 and 8.	
Methods and material for containment and cleaning up		
Methods for containment	Prevent further leakage or spillage if safe to do so.	

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
Conditions for safe storage, includ	ing any incompatibilities
Storage Conditions	Please refer to the manufacturer's certificate for specific storage and transport temperature conditions. Store only in the original receptacle unless other advice is given on the CoA. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. Exposure controls/personal protection

Control parameters



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	
Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.		
Appropriate engineering controls		
Engineering controls	Showers Eyewash stations Ventilation systems.	
Individual protection measures, such as personal protective equipment		
Eye/face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear safety glasses with side-shields.	
Hand protection	The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374. Wear protective Neoprene™ gloves. Wear suitable gloves.	
Skin and body protection	Wear suitable protective clothing.	
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.	
Environmental exposure controls	Do not allow into any sewer, on the ground or into any body of water.	
General hygiene considerations	Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.	

9. Physical and chemical properties

Information on basic physical and chemical properties		
Physical state	Solid	
Appearance	Solid	
Color	white; to; off-white	
Odor	No information available	
Odor threshold	No information available	
Property	<u>Values</u>	
рН	No data available	

Remarks • Method None known



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

Melting point / freezing point Initial boiling point and boiling rang Flash point Evaporation rate Flammability Flammability Limit in Air Upper flammability or explosive limits	No data available No data available No data available No data available	None known None known None known None known None known
Lower flammability or explosive limits	No data available	
Vapor pressure Relative vapor density Relative density	No data available No data available No data available	None known None known None known
Water solubility Solubility(ies)	No data available No data available	None known None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known None known
Decomposition temperature Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information Explosive properties Oxidizing properties Softening point Molecular weight VOC content Liquid Density Bulk density	No information available No information available No information available 212.29 No information available No information available No information available	

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	s None known based on information supplied.

11. Toxicological information



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.			
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.			
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.			
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components).			
Symptoms related to the physical, chemical and toxicological characteristics				
Symptoms May cause redness and tearing of the eyes.				
Acute toxicity				

Numerical measures of toxicity

Delayed and immediate effects as well as chronic effects from short and long-term exposure			
Skin corrosion/irritation	May cause skin irritation.		
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.		
Respiratory or skin sensitization	No information available.		
Germ cell mutagenicity	No information available.		
Carcinogenicity	No information available.		
Reproductive toxicity	No information available.		



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam		Revision date	21-Feb-2024
STOT - single exposure	No information available.		
STOT - repeated exposure	No information available.		
Aspiration hazard No information available.			

Other adverse effects	No information available.		
Interactive effects	No information available.		

12. Ecological information				
Ecotoxicity	The environmental impact of this product has not been fully investigated.			
Persistence and degradability	No information available.			
Bioaccumulation	There is no data for this product.			
Other adverse effects	No information available.			

13. Disposal considerations		
Disposal methods		
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.	
Contaminated packaging	Do not reuse empty containers.	

14. Transport information

DOT	Not regulated
TDG	Not regulated



This safety data sheet was created pursuant to the requirements of:

OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam		Revision date 21-Feb-2024
MEX	Not regulated	
	Not regulated	
IMDG	Not regulated	

15. Regulatory information

International Inventories

TSCA

Complies under research and development exemption or is regulated by a different government agency.

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
(4S)-Brivaracetam	357336-19-7	-	-

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AIIC	Contact supplier for inventory compliance status.

Legend:

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

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

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

<u>SARA 313</u>

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.



This safety data sheet was created pursuant to the requirements of:

OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information						
NFPA HMIS	Health hazards 2 Health hazards 2	Flammability Flammability		Instability 0 Physical hazards 0	Special hazards - Personal protection	<
Key or legend to abbreviations and acronyms used in the safety data sheet Legend Section 8: Exposure controls/personal protection						
TWĂ	TWA (time-weighted average)	s s	TEL	STEL (Short Term	Exposure Limit)	
Ceiling	Maximum limit value	S	šk*	Skin designation		
Key literature references and sources for data used to compile the SDS Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act						



This safety data sheet was created pursuant to the requirements of:

OSHA HCS2012

TRC-B677650-25MG - (4S)-Brivaracetam

Revision date 21-Feb-2024

U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization

Revision date **Revision Note**

21-Feb-2024 No information available.

Disclaimer

The information in this Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, we cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. We warrant that the chemical meets the specifications set forth on the label. We (LGC/VHG/ARMI) disclaim any other warranties, expressed or implied with regard to the product supplied hereunder, its merchantability or its fitness for a particular purpose. The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. Read all precautionary information.

End of Safety Data Sheet