Ebba Biotech

Material Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product name	Amytracker 680 DMSO
Product code (SKU)	A680-D
CAS number	N/A
Chemical formula	N/A
Relevant uses	For research use only
Supplier	Ebba Biotech AB, Karolinska Institutet Science Park, Nobels väg 16 SE-171 65 Solna, Sweden Email: info@ebbabiotech.com Tel: +46 (0) 73 985 40 51

2. HAZARD IDENTIFICATION

Classification	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008, EC-directives 67/548/EEC, or 1999/45/EC
Label elements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008, EC-directives 67/548/EEC, or 1999/45/EC
Other hazards	This substance or mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher.

3. INFORMATION ON INGREDIENTS

Component	CAS number	Concentration	Classification
Amytracker 680	N/A	0.1 % w/v	*
Dimethyl Sulfoxide	67-68-5	96 % v/v	*
Hydrochloric acid	7647-01-0	0.12 % v/v	*
* Not a hazardous substance or mixture according to applicable Regulation			

4. FIRST AID PROCEDURES

Description of first aid measures	
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
After inhalation	Fresh Air
After skin contact	Remove contaminated clothing. Rinse with water.
After eye contact	Rinse with plenty of water. Remove contact lenses.
After ingestion	Drink water, rinse mouth thoroughly. Get medical attention if feeling unwell.
Most important symptoms and effects, both acute and delayed	
Exposure to large amount can cause redness of skin, itching, burning, sedation, headache, nausea, dizziness	

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Indication of immediate medical attention and special treatment needed
No data available

5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide, alcohol resistant foam, dry chemical powder, or water spray.
Special hazards	Carbon oxides (CO_x), Sulphur oxides (SO_x), Combustible. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire
Advice for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Further information	Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet.Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
Evacuate area. Ensuring personal safety, mark out contaminated area with signs and prevent unauthorized access. Personal involved in clean up should wear appropriate personal protective equipment (see section 8).
Environmental precautions
Do not let product enter drains.
Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.
Reference to other sections
See sections 7, 8, 10 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling	
Avoid direct contact with skin and eyes. Avoid ingestion and avoid inhalation of vapor or mist.	
Conditions for safe storage, including any incompatibilities	
Storage conditions	Tightly closed
Storage temperature	2-8 °C
Specific end uses	For laboratory use

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	
No data available.	
Exposure controls	
Personal protective equipment	
Respiratory protection	Where risk-assessment shows air-purifying respirators are appropriate, use an appropriate dust-mask. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection	Wear suitable gloves satisfying the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. In addition, gloves with EN 420, EN 455 specifications could be used.
Eye protection	Wear chemical safety goggles. Avoid all hand-to-eye contact before gloves are removed and hands washed.
Skin protection	Wear appropriate protective clothing (lab coats etc.) according to the amount and concentration of the dangerous substance at the workplace.
General hygiene	Wash thoroughly after handling. Immediately change contaminated clothing.
Ecological exposure controls	
No data available.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties	
Appearance	Liquid
Odour	Not available
Odour threshold	Not available
pH	Not available
Melting point/freezing point	16-19°C
Initial boiling point/boiling range	189°C
Flash point	87°C
Evaporation rate	Not available
Flammability	Not available
Upper/lower flammability or explosive limits	Upper explosion limit: 28.5% (V) Lower explosion limit: 2.6% (V)
Vapor pressure	0.55 hPa at 20°C
Relative density	Not available
Solubility in water	Soluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	300-302°C
Viscosity	Not available

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Explosive properties	Not available
Oxidizing properties	Not available
Other information	
No further data available.	

10. STABILITY AND REACTIVITY

Reactivity	Forms explosive mixtures with air on intense heating.
Chemical stability	Stable under the recommended storage conditions, pH>6, as well as boiling up to 100°C
Possibility of hazardous reactions	Risk of explosion with: Acetylidene, Organic halides, Perchlorates, Acid chlorides, Nonmetallic halides, Iron(III) compounds, Nitrates, Fluorides, Chlorates, Hydrides, Perchloric acid, Oxides of phosphorus, Nitric acid, Silver compounds, Silicon compounds, Silanes, Acid halides, xothermic reaction with: Boron compounds, Oxyhalogenic compounds, Potassium sodium, Strong oxidizing agents, Phosphorus halides, Strong reducing agents, Acid chlorides, Strong acids, Silver salt, Nitrogen dioxide Risk of ignition or formation of inflammable gases or vapours with: potassium permanganate.
Conditions to avoid	Avoid heating under conditions that will cause the solvent to evaporate
Incompatible materials	Acid chlorides, Phosphorous halides, Strong acids, Strong oxiding agents, Strong reducing agents, Most metals, Alkalis, Active metals, Cyanides, Sulfides, Sulfites, Metal oxides, Formaldehyde
Hazardous decomposition products	Formed under fire conditions: Carbon oxides, Sulphur oxides, Fumes of Hydrogen chloride and Hydrogen in contact with metals, Chlorine gas from oxidisers

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not data available
Reproductive toxicity	Not data available
Summary of evaluation of the CMR properties	Not data available
STOT-single exposure	Not data available

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STOT-repeated exposure	Not data available
Exposure hazard	
Inhalation	May cause slight irritation
Ingestion	May cause nausea, vomiting, and diarrhoea
Skin	May cause slight irritation
Eyes	May cause slight irritation
Additional information	
RTECS	Not available

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects	No data available

13. DISPOSAL RECOMMENDATIONS

Waste treatment methods
No data available

14. TRANSPORT INFORMATION

Material is not dangerous goods according to international recommendations on the transport and legislation of dangerous goods relating to road, rail, inland waterways, maritime and air transport.	
UN-Number	Not dangerous goods
UN proper shipping name	
ADR/RID/ADN	Not dangerous goods
IATA	Not dangerous goods
Transport hazard classes	Not dangerous goods
Packaging group	Not dangerous goods
Environmental hazards	No data available
Special precautions	No data available
Bulk shipment according to Annex II of MARPOL and IBC code	Not applicable

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15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislations specific for the substance or mixture	
EU-Regulations	
This safety data sheet complies with the requirement of Regulation (EC) No. 1907/2006	
(EC) No. 1907/2006, Annex XIV	Not applicable
(EC) No. 1907/2006, Annex XVII	Not applicable
Regulation (EC) No. 2037/2000 (Substances which cause the degradation of the ozone layer)	Not applicable
Regulation (EC) No. 850/2004 (Persistent organic substances)	Not applicable
Regulation (EC) No. 649/2012 (Export and import of dangerous chemicals)	Not applicable
Regulation (EC) No. 648/2004 (Regulation of detergents)	Not applicable
Restriction pursuant title VII of regulation (EC) No. 1907/2006	Not applicable
Chemical safety assessment	
No chemical safety assessment has been carried out for this substance by the supplier.	

16. OTHER INFORMATION

Abbreviations and acronyms	
ADR	European agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS	Chemical Abstracts Service number
CLP	Classification, Labelling, Packaging
EC Number	EINECS and ELINCS number
EINECS Number	European Inventory of Existing Commercial Substances
ELINCS Number	European List of notified Chemical Substances
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IUPAC	International Union for Pure Applied Chemistry
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals; Regulation (EC) No. 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity

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The information given in the safety data sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on our present state of knowledge. In particular, they serve the purpose of describing our product under the aspect of hazard caused by such product and pertaining safety actions. They do not constitute any guarantee of product quality and/or quality features. It shall be used only as guide. The information given in this safety data sheet are required in accordance with article 31 and annex II of the Regulation (EC) 1907/2006.

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