



מסן התקנים הישראלי



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שירטרוניקס בע"מ

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CERTIFICATE OF ANALYSIS NO. GA1601422

SPECIFICATION No.: 81001399 / 100 / 20200269	PART NUMBER: 810113996
PRODUCT NAME: SDA 40 BRUCINE-ETHANOL ABS	
LAB ANALYSIS REPORT: GA1601422	
BATCH No.: P150006638	
PROCESSING DATE: 08/11/15	

PARAMETER/CONDITION	MINIMUM	MAXIMUM	UNIT	RESULT
density- 20 deg c	0.7880	0.7920	g/ml	0.7900
colour	-	10	apha	1
ethanol content	99.5	-	%wt	99.8
Ethanol denaturated with Brusine, Poison!!!	-	-		----

WE CERTIFY THAT THIS PRODUCT MEETS OUR SPECIFICATION

Results based on the tests Performed by Gadot laboratory

APPROVED BY: Avi Avni, Chemist - Laboratory Manager

ISSUED ON: 09/11/15

RECOMMENDATIONS: KEEP CONTAINERS TIGHTLY CLOSED IN COOL & DRY PLACE.

Expiry Date : 2 Years as supplied only.

Valid without signature.


ליג' - אבי
שירטרוניקס

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product name: ETHANOL SDA BRUCINE

Article number: 0002

1.2 Relevant identified uses of the substance and use advised against Industrial uses.

Application of the substance: Cleaning agent/Solvents

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier:

GADOT

Chemical Terminals (1985) Ltd.

5 Hamelacha St., HaOgen Building,

Poleg Industrial Area, P.O.B 8751 Tel: +972-9-8929500

Netanya 4250540, ISRAEL Email: contact@gadot.com

1.4 Emergency telephone number:

Tel: +972-9-8929533 Email: shalomd@gadot.com

Mr. Shalom Dekel: Chief Chemist & Sustainability Manager

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by the company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008

The product is classified and labelled according to CLP regulation.

Hazard pictograms GHS 02, GHS 07



Flam. Liq.



Harmful

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

Product name: ETHANOL SDA BRUCINE

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R20/21/22-68/20/21/22: harmful by inhalation, in contact with skin and if swallowed.
Harmful: possible risk of irreversible effects through inhalation in contact with skin and if swallowed.



F: Highly flammable

R11: Highly flammable

Signal word: Danger**Hazard – determining components of labelling:****Hazard statements**

H225 Highly flammable liquid and vapour.

H371 May cause damage to organs

Precautionary statements

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P241 Use explosion-proof electrical/ventilation/lighting/equipment.
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Chemical characterization****Description:** Mixture of substance listed below with nonhazardous addition:

Dangerous Components:		
CAS: 64-17-5 EINECS: 200-578-6 Index no: 603-002-005	ETHANOL ABS.  F R 11  Flam. Liq.-2, H225	90 -100%
CAS: 4845-99-2	Brucine sulfate	0.012%
CAS: 75-65-0	Tert butyl alcohol	0.12%

-Additional information: For the wording of the listed risk phrase refer to section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident

After inhalation:

Supply fresh air and be sure to call for a doctor

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse open eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Call for a doctor immediately. Drink plenty of water and provide fresh air. If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed. No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fights larger fires with water spray or alcohol resistant foam.

5.2 Specific hazards arising from the substance or mixture. No further relevant information available.

5.3 Advise for firefighters:

Protective equipment:

Mouth respiratory protective device

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures.

Wear protective clothing and suitable equipment. Keep unprotected persons away. Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Clean up affected area.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin & eyes.

Avoid inhaling & swallowing.

Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Store in cool location.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.



Avoid heat and open flames.

Not required.

Information about storage in one common storage facility:

Do not store with strong acids, strong alkalis and oxidizing substance.

Further information about storage conditions:

In fully, tightly closed suitable lines containers, protected from heat and lights (20-25 °C) -

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

Safety shower

Eye flushing devices

8.1 Control parameters

Additional information: The lists valid during the making were used as basis:

8.2 Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

Avoid inhaling and swallowing

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

- Respiratory protection: Suitable respiratory protective device recommended.

- Protection of hands:

Protective gloves

Due to missing tests no recommendations to the glove material can be given for the product/ the substance/ the preparation.

- Material of gloves

Individual person should consider allergic response to glove material.

The glove material has to be impermeable and resistant to product/ the substance/ the preparation.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Tightly sealed goggles

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

General Information

Appearance:

Form:	Liquid
Color:	Colorless
Odor:	Characteristic
Odor threshold	Not determined
pH-value	Not determined
Change in condition	
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	77 °C.
Flash point	13 °C (Closed Cup)
Flammability (solid, gaseous)	Not applicable
Ignition temperature:	425 °C.
Decomposition temperature:	Not determined
Self-igniting	Product is not self-igniting
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible
Explosion limits:	
Lower:	3.5 Vol %
Upper:	15,0 Vol %
Vapour pressure at 20 °C	59 hPa
Density at 20 °C	0.792 g/cm ³
Solubility in / Miscibility with water:	Soluble
Partition coefficient (n-octanol/water):	Not determined

9.2 Other information: No further relevant information available

SECTION 10: Stability and reactivity

10.1 Reactivity: Reactive with oxidizing agent, acids, alkalis.

10.2 Chemical stability: The product is stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: Reacts vigorously with oxidizing agents, acids, acid anhydrides, alkaline and alkali metals.

10.4 Incompatible materials: Oxidizing agents, acids, acid anhydrides, alkalis, alkali metals.

10.5 Hazardous decomposition products: Carbon monoxide, carbon dioxide

SECTION 11: Information on toxicological effects

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Brucine sulfate

Oral	LD50	15.4 mg/kg (rat)
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Primary irritant effect:

on the skin: No irritant effect

on the eye: Irritation effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classified Guideline for Preparations as issued in the latest version:

HARMFUL

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available

12.2 Persistence and degradability No further relevant information available.

12.3 Bio accumulative potential No further relevant information available

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects:

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation



Must be not disposed together with household garbage. Do not allow product to reach sewage system.

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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

Recommended cleaning agents: Water, if necessary together with cleaning agents.

SECTION 14: Transport information

14.1 UN-Number	UN1170
ADR, IMDG, IATA	
14.2 UN proper shipping name	
ADR,	1170 ETHANOL (ETHYL ALCOHOL)
IMDG	FLAMMABLE LIQUID, N.O.S (ETHANOL (ETHYL ALCOHOL))
IATA	FLAMMABLE LIQUID, N.O.S (ETHANOL)
14.3 Transport hazard class(es)	
ADR	
	
Class	3 (Fl) Flammable liquids
Label	3
IMDG, IATA	
	
Class	3 Flammable Liquids
Label	3
14.4 Packing group	
ADR, IMDG, IATA	11
14.5 Environmental hazards: · Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids
Danger code (Kemler):	33
EMS Number:	F-E, S-E
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No applicable
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D/E
UN "Model Regulation":	UN1170 ETHANOL (ETHYL ALCOHOL)), 3, 11

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Labeling according to Regulation (EC) No. 1272/2008**

The product is classified and labelled according to the CLP regulations,

Hazard pictograms: GHS 02, GHS 07

Signal word danger

Hazard – determining components of labelling:

Brucine sulfate

Hazard statements

H225 Highly flammable liquid and vapour.

H371 May cause damage to organs

Precautionary statements

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P241 Use explosion-proof electrical/ventilation/lighting/equipment.

P260 Do not breathe dust/fume/gas/mist/vapours/spray

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

Additional classification according to Decree on Hazardous Materials, Annex II: NA

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The above information has been obtained from a number of sources and its accuracy cannot be guaranteed. It is the user's responsibility to evaluate the information and use it in a prudent manner for its particular purpose.

Department issuing MSDS: QA department

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ELINCS: European list of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 3: Acute toxicity, Hazard Category 3

STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1

STOT SE 2: Specific target organ toxicity - Single exposure, Hazard Category 2