

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml**Nicotine content:** 6, 12, 16, 18, 20 mg/ml**Registration number:** Substances contained in the mixture have already (pre)-registered by the suppliers.**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture: Raw Material for Industrial Use**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

PINK MULE SL

Calle Real 6-8

06670 Herrera del Duque

Badajoz - ES Spain

0034 924652075 - 0034 924652072

1.4 Emergency telephone number:

Emergency telephone number: 112

1.5 Information Telephone Number

SustChem 365/24: +30 210 8252833

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

GHS06 skull and crossbones

Acute Tox. 3 H311 Toxic in contact with skin.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS06

Signal word: Danger

(Contd. on page 2)



Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH Regulation),
 EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

(Contd. of page 1)

Hazard-determining components of labelling:

nicotine

Hazard statements:

H311 Toxic in contact with skin.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P302+P352 IF ON SKIN: Wash with plenty of water.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.

P312 Call a POISON CENTER/doctor if you feel unwell.

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****3.2 Chemical characterisation: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Ingredients according Regulation (EU) 830/2015:**

CAS: 54-11-5	nicotine	0.6-2%
EINECS: 200-193-3	☠ Acute Tox. 3, H301; Acute Tox. 1, H310; ☠ Aquatic Chronic 2,	
Index number: 614-001-00-4	H411	

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out into the fresh air.

After inhalation:

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

Supply fresh air and to be sure call for a doctor.

Supply fresh air; consult doctor in case of complaints.

Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothing.

After eye contact: Avoid strong water jet-risk of cornea damage, consult a doctor.**After swallowing:**

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms after swallowing large quantities: Headache, Vomiting, Gastrointestinal symptoms, Diarrhoea

(Contd. on page 3)



Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH Regulation),
 EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

(Contd. of page 2)

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. Fight larger fires with water spray.

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.**5.3 Advice for firefighters****Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Wear protective clothing.

6.1.2 For emergency responders Wear protective equipment. Keep unprotected persons away.**6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

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, silica gel).

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

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** Open and handle receptacle with care.**Information about fire - and explosion protection:** Keep respiratory protective device available.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:**

Store under lock and key and with access restricted to technical experts or their assistants only.

Store under lock and key and out of the reach of children.

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

GB

(Contd. on page 4)



Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH Regulation),
 EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

57-55-6 propane-1,2-diol

WEL (Great Britain)	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
---------------------	--

56-81-5 glycerol

WEL (Great Britain)	Long-term value: 10 mg/m ³
---------------------	---------------------------------------

54-11-5 nicotine

WEL (Great Britain)	Short-term value: 1.5 mg/m ³ Long-term value: 0.5 mg/m ³ Sk
IOELV (EU)	Long-term value: 0.5 mg/m ³ Skin

DNELs

Glycerin, Cas Number: 56-81-5

Workers long-term local effects via inhalation route: 56 mg/m³Consumers long-term local effects via inhalation route: 33 mg/m³

Consumers long-term systemic effects via oral route: 229 mg/kg bw/day

PNECs

Glycerin, cas number: 56-81-5

Fresh water : 0.885 mg/L

Marine water : 0.0885 mg/L

Intermittent releases : 8.85 mg/L

STP : 1000 mg/L

Fresh water sediment : 3.3 mg/kg sediment dw

Marine sediment : 0.33 mg/kg sediment dw

Soil : 0.141 mg/kg soil dw

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Respiratory protection:



Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:



Protective gloves

(Contd. on page 5)

GB



Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH Regulation),
 EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

(Contd. of page 4)

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information**Appearance:**

Form:	Liquid
Colour:	Not determined
Odour:	Characteristic
Odour threshold:	Not determined

pH value: Not determined

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: 104 °C
Not Flammable

Flammability (solid, gas): Not applicable

Auto-ignition temperature: 400 °C

Decomposition temperature: Not determined

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

(Contd. on page 6)



Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH Regulation),
 EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

(Contd. of page 5)

Explosion limits:**Lower:** Not determined**Upper:** Not determined**Oxidising properties** Not considered as oxidising.**Vapour pressure:** Not determined**Density:** Not determined**Relative density** Not determined**Vapour density** Not determined**Evaporation rate** Not determined**Solubility in / Miscibility with water:** Fully miscible**Partition coefficient: n-octanol/water:** Not determined**Viscosity:****Dynamic:** Not determined**Kinematic:** Not determined**9.2 Other information** No further relevant information available.**SECTION 10: Stability and reactivity****10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided** Stable at environment temperature.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials** No further relevant information available.**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Toxic in contact with skin.

LD/LC50 values relevant for classification:**ATE (Acute Toxicity Estimates)**

Oral | LD50 | 5000 mg/kg (rat)

Dermal | LD50 | 250 mg/kg (rat)

54-11-5 nicotine

Oral | LD50 | 100 mg/kg (rat)

Dermal | LD50 | 5 mg/kg (rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 7)



Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH Regulation),
 EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

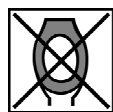
(Contd. of page 6)

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****54-11-5 nicotine**

EC50-48h | 0.242 mg/l (daphnia magna) (/3-75-009)

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



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

Contact manufacturer for recycling information.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information**14.1 UN-Number****ADR, IMDG, IATA**

UN3144

14.2 UN proper shipping name**ADR**

3144 NICOTINE PREPARATION, LIQUID, N.O.S.

IMDG, IATA

NICOTINE PREPARATION, LIQUID, N.O.S.

(Contd. on page 8)



Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH Regulation),
 EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

(Contd. of page 7)

14.3 Transport hazard class(es)**ADR, IMDG, IATA**

Class	6.1 Toxic substances.
Label	6.1
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Toxic substances.
Danger code (Kemler):	60
EMS Number:	F-A,S-A
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

Transport/Additional information:**ADR**

Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	2
Tunnel restriction code	E

IMDG

Limited quantities (LQ)	%L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3144 NICOTINE PREPARATION, LIQUID, N.O.S., 6.1, III

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2015/830

CLP Regulation 1272/2008/EC

Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered.

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

(Contd. on page 9)



Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 21.02.2017

Version number 1

Revision: 16.11.2016

Trade name: Pink Mule Blue Label 6, 12, 16, 18, 20 mg/ml

(Contd. of page 8)

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations:**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H411 Toxic to aquatic life with long lasting effects.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Recommended restriction of use The product is only for adults over 18 years.

Department issuing SDS:

SUSTCHEM Engineering Ltd
 REACH & Chemical Services Department
 144, 3rd Septemvriou, GR 112 51, Athens, Greece
 Tel.: +30 210 8252510 Fax: +30 210 8252575
 E-mail: info@suschem.gr
 Website: www.sustchem.gr

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 1: Acute toxicity – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2