ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name M86 Kiwi® Super Protector

Product Code 350000034090
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Polishes and wax blends .

Uses Advised Against
Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification Bama GmbH Address of Manufacturer Pfalzgraf-Otto-Str. 50

Mosbach

Postal code Germany D-74821

Telephone: +49(0)6261/801-0
Fax Not known.
E-mail SDSBama@bama.eu

Office hours Supplier

Company Identification Bama GmbH
Address of Supplier Pfalzgraf-Otto-Str. 50

Mosbach Germany

Postal code D-74821

Telephone: +49(0)6261/801-0
Fax Not known.

Email SDSPane@home

E-mail SDSBama@bama.eu

Office hours

1.4 Emergency telephone number

Emergency Phone No. +49(0)6261/801-0 Contact Company

National response center

Address National Poisons Information Service (Birmingham Centre)

City Hospital Dudley Road, Birmingham, United Kingdom

Emergency Phone No. +00 448 706 006 266 NHS Direct - 0845 4647 or 111

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aerosol, Category 1 :Extremely flammable aerosol.

Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.

Eye Irrit. 2 :Causes serious eye irritation. Skin Irrit. 2 :Causes skin irritation.

STOT SE 3: May cause drowsiness or dizziness.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictogram(s)





Signal Word(s) Danger

Hazard Statement(s) H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s) P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P211: Do not spray on an open flame or other ignition source. P251: Pressurised container - Do not pierce or burn, even after use.

P261: Pressurised container - Do not pierce or burn, even arte P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/

122°F

P501: Dispose of contents in accordance with local, state or national legislation.

Additional label requirements Contains: Isopropanol, Naphtha (petroleum), hydrotreated light

Store in a cool, dry place.

Intentional misuse by deliberately concentrating and inhaling contents can be

harmful or fatal.

2.4 Additional Information

For full text of H/P Statements see section 16.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

2.3 Other hazards

Not applicable.

#### 3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	Registration No.		/Hazard Statement(s)	Hazard Pictogram(s)
propan-2-ol	67-63-0	200-661-7 01-2119457558-25- XXXX		Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		921-024-6 01-2119475514-35- XXXX		Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411	GHS02 GHS08 GHS07 GHS09
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics, Not Applicable		927-241-2 01-2119471843-32- XXXX		Flam. Liq. 3 H226 Asp. Tox. 1 H304 STOT SE 3 H336 Aquatic Chronic 3 H412	GHS02 GHS08 GHS07
butane	106-97-8	203-448-7 01-2119474691-32- XXXX		Flam. Gas 1 H220 Press. Gas H280	GHS02 GHS04
n-hexane	110-54-3	203-777-6 01-2119480412-44- XXXX	1-5	Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Repr. 2 H361f STOT RE 2 H373 Aquatic Chronic 2 H411	GHS02 GHS08 GHS07 GHS09
n-butyl acetate	123-86-4	204-658-1	1-5	Flam. Liq. 3 H226	GHS02

		01-2119485493-29- XXXX		STOT SE 3 H336	GHS07
isopentane	78-78-4	201-142-8 01-2119475602-38- XXXX	0-0.1	Flam. Liq. 1 H224 Asp. Tox. 1 H304 STOT SE 3 H336 Aquatic Chronic 2 H411	GHS02 GHS08 GHS07 GHS09
1,3-butadiene	106-99-0	203-450-8 01-2119449808-24- XXXX		Flam. Gas 1 H220 Press. Gas H280 Muta. 1B H340 Carc. 1A H350	GHS02 GHS04 GHS08

#### **SECTION 4: FIRST AID MEASURES**

4.1 Description of first aid measures

Inhalation Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER/doctor if you feel unwell.

Skin Contact Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present

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.

Ingestion Unlikely route of exposure.
4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye irritation. May cause drowsiness or

dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

#### SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Heating may cause pressure rise with risk of bursting.

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal. If it is safe to do so, containers should be removed from fire area because they are likely to rupture

under fire conditions.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if safe to do so. Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during

removal of spillages.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for

disposal or recovery.

6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

## 7.1 Precautions for safe handling

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing spray. Use only outdoors or

in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurised container - Do not pierce or burn, even after use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Protect from sunlight.

Do not expose to temperatures exceeding 50°C/122°F. Storage temperature

Stable under normal conditions. Storage life

Incompatible materials None known.

7.3 Specific end use(s)

Polishes and wax blends.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Ex	posure Limits					
SUBSTANCE. CAS No. LTI		LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Propan-2-ol	67-63-0	400	999	500	1250	
n-Hexane	110-54-3	20	72			
n-Hexane	110-54-3	20	72	0	0	IOELV
Butane	106-97-8	600	1450	750	1810	(b)
Butyl acetate	123-86-4	150	724	200	966	
Isopentane	78-78-4	600	1800			
Isopentane	78-78-4	1000	3000	0	0	IOELV
Buta-1,3-diene	106-99-0	10	22			Carc
1,3-Butadiene	106-99-0	1	2.2	0	0	СМ

Region

EU Occupational Exposure Limits
UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018) EU United Kingdom

Remark IOELV Notes IOELV: Indicative Occupational Exposure Limit Value

Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene) (b) Carc

Capable of causing cancer and/or heritable genetic damage. See EH40 paragraphs 49-51.

Carcinogens or Mutagens Occupational Exposure Limit Values.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and

intrinsically safe electrical systems. Ensure adequate ventilation. A washing

facility/water for eye and skin cleaning purposes should be present. 8.2.2. Personal protection equipment

Eye Protection Wear protective eyewear (goggles, face shield, or safety glasses).



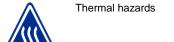
Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).

Nitrile gloves - Thickness 0.12mm; Breakthrough time >2 hours.



Respiratory protection Wear suitable respiratory protective equipment if exposure to high levels of material

are likely.



Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Aerosol

Colour : Transparent.

Odour Solvent.
Odour threshold Not known.
pH Not known.
Melting point/freezing point Not known.
Initial boiling point and boiling range Not applicable.

Flash Point -15°C [Closed cup] (Liquid)

-15°C [Closed cup] (Liquid)
-60°C [Closed cup] (Aerosol propellant)

Evaporation rate Not known.

Flammability (solid, gas)
Upper/lower flammability or explosive
Sustains combustion.
Not known.

limits

Vapour pressure Not known. Vapour density Not known. Density (g/ml) Not known. 0.677g/cm³ @ 25°C Relative density Solubility(ies) Insoluble in water. Partition coefficient: n-octanol/water Not known. Auto-ignition temperature Not known. Decomposition Temperature (°C) Not known. Viscosity Not known. Explosive properties Not known. Oxidising properties Not known. 9.2 Other information

None.

#### SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Keep away from heat and direct sunlight.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity - Ingestion Not classified.
Acute toxicity - Skin Contact Not classified.
Acute toxicity - Inhalation Not classified.

Skin corrosion/irritation Calculation method : Causes skin irritation.
Serious eye damage/irritation Calculation method : Causes serious eye irritation.

Skin sensitization data
Respiratory sensitization data
Respiratory sensitization data
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Not classified.
Not classified.
Not classified.
Not classified.
Not classified.
Not classified.

STOT - single exposure Calculation method : May cause drowsiness or dizziness.

STOT - repeated exposure Not classified.
Aspiration hazard Not classified
11.2 Other information

Not known.

### **SECTION 12: ECOLOGICAL INFORMATION**

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates
Toxicity - Fish
Toxicity - Algae
Toxicity - Sediment Compartment
Toxicity - Terrestrial Compartment
Not classified.
Not classified.

12.2 Persistence and Degradation

Part of the components are biodegradable.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

12.4 Mobility in soil

The product is predicted to have low mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

#### SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

#### **SECTION 14: TRANSPORT INFORMATION**

14.1 UN number

UN No. 1950

14.2 UN proper shipping name

UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 2 ADR Classification Code 5F

Special Provisions 190 327 344 625

Limited Quantities 1 L
Excepted Quantities E0

Emergency Action Code

Mixed Packing Instructions for Packages P207 LP200 Special Packing Provisions for Packages PP87 RR6 L2 Mixed Packing Instructions for Packages MP9

Packing Instructions for Portable Tanks

Special Provisions for Portable Tanks

Tank Code for Tanks
Special Provisions for Tanks

Vehicle for Tank Carriage

ADR Transport Category 2
Tunnel Restriction Code D
Special Provisions for Carriage - V14

Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, CV9 CV12

Unloading and Handling

Special Provisions for Carriage - S2

Operation ADR HIN IMDG

IMDG Class

Special Provisions 190 327 344 625

Limited Quantities **Excepted Quantities** E0

Mixed Packing Instructions for Packages P207 LP200 Special Packing Provisions for Packages PP87 RR6 L2 Packing Instructions for Portable Tanks

Special Provisions for Portable Tanks

IMDG EMS F-D, S-U SW1 SW22 Stowage and Handling Segregation SG69

Marine Pollutant ICAO/IATA

IATA Proper Shipping Name **AEROSOLS Excepted Quantities** Passenger and Cargo Aircraft Limited Y203

Quantities Packing Instructions

Passenger and Cargo Aircraft Limited 30Kg

Quantities Max net Qty

Passenger and Cargo Aircraft Packing 203 Instructions

Passenger and Cargo Aircraft Max net 75Kg

Cargo Aircraft Packing Instructions 203 Cargo Aircraft Max net Qty 150Kg

Special Provisions A145, A167, A802

Emergency Response Guidebook (ERG) 10L

Code Labels

Labels



#### 14.4 Packing group

Packing group

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

### SECTION 15: REGULATORY INFORMATION

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very

Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

1,3-butadiene buta-1,3-diene (106-99-0), butane (106-97-8), isopentane 2methylbutane (78-78-4), n-butyl acetate (123-86-4), n-hexane (110-54-3), propan-2ol isopropyl alcohol isopropanol (67-63-0), Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (), Hydrocarbons, C9-C10, n-alkanes,

isoalkanes, cyclics, <2% aromatics, Not Applicable () n-hexane (110-54-3), Buta-1,3-diene (106-99-0)

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council

Not listed

on persistent organic pollutants Regulation (EC) N° 1005/2009 on

substances that deplete the ozone layer Regulation (EU) N° 649/2012 of the

Not listed

European Parliament and of the Council concerning the export and import of

hazardous chemicals **National regulations** 

Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

#### **SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

1-16

#### **LEGEND**

Hazard Pictogram(s)





GHS04: GHS: gas cylinder GHS08: GHS: health hazard GHS09: GHS: fish and tree

Hazard classification

Aquatic Chronic 2: Hazardous to the aquatic environment, Chronic, Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment, Chronic, Category 3

Asp. Tox. 1 : Aspiration hazard, Category 1 Carc. 1A : Carcinogenicity, Category 1A

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Flam. Gas 1 : Flammable gas, Category 1
Flam. Liq. 1 : Flammable liquid, Category 1
Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Muta. 1B : Germ cell mutagenicity, Category 1B

Press. Gas: Gases under pressure Repr. 2: Reproductive toxicity, Category 2

STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2 STOT SE 3\_H336 : Specific target organ toxicity — single exposure, Category 3

Skin Irrit. 2: Skin corrosion/irritation, Category 2

Hazard Statement(s)

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H224: Extremely flammable liquid and vapour. H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated.

H280: Contains gas under pressure; may explode if heated.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H340: May cause genetic defects.

H350: May cause cancer.

H361f: Suspected of damaging fertility.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

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

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Pressurised container - Do not pierce or burn, even after use.

P261: Avoid breathing spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTER/doctor if you feel unwell.

P321: Specific treatment (see Medical Advice on this label).

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding  $50^{\circ}\text{C}/122^{\circ}\text{F}$ .

P501: Dispose of contents in accordance with local, state or national legislation.

ADN: European Agreement concerning the International Carriage of Dangerous

Goods by Inland Waterways

ADR : European Agreement concerning the International Carriage of Dangerous

Goods by Road

CAS: Chemical Abstracts Service

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substances and mixtures
DNEL: Derived No Effect Level
EC: European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IBC: Intermediate Bulk Container

ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods

LTEL: Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit STOT: Specific Target Organ Toxicity

**UN: United Nations** 

vPvB : very Persistent and very Bioaccumulative

Disclaimers

Acronyms

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