

Safety Data Sheet

According to EC Regulation 1907/2006/EC - revision 453/2010 (REACH)

Revision No. 1

Print Date 09/03/2015

Creation Date 02/02/2015

Revision date 02/02/2015

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product Name SPARKLE (AEROSOL) – (SHINE M UP / CL 240)
Product Code EP_0362G V1 (CLP)

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

Recommended use

Cleaner. Polish.

1.3. Details of the supplier of the safety data sheet

NCH GmbH, Hessenring 13, D-64546 Mörfelden-Walldorf; Tel.: 0 61 05 - 20 10; Fax: 0 61 05 - 20 11 77;

E-Mail: nch_de@nch.com.

NCH GmbH, Zweigniederl. Wien, Rotenturmstraße 25/11, A-1010 Wien; Tel.: 01 - 911 30 11; Fax: 01 - 911 30 12;

E-Mail: nch_at@nch.com.

NCH AG, Oberneuhofstrasse 6, CH-6340 Baar; Tel.: 041 - 711 20 84 / 85; Fax: 041 - 710 49 80; E-Mail: nch_ch@nch.com.

E-mail address gertech@nch.com

Website address www.ncheurope.com

1.4. Emergency telephone number

+(49) (0) 6105 - 2010 (or phone number of the respective supplier), available during Office Hours.

Swiss Toxicological Information Centre (STIZ): Tel. 145 (24 h).

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Aerosols: Category 3

H229 - Pressurized container: May burst if heated.

Classification according to EU Directive 67/548EEC - 1999/45 EC

This mixture is not classified according to EU Directive 1999/45/EC.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Signal Word Warning

Hazard Statements

H229 - Pressurized container: May burst if heated.

Precautionary Statements

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

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

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

Keep out of reach of children.

6% by mass of the contents are flammable.

For industrial and institutional use only.

2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

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SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2. Mixture

Component	CAS No.	EC No.	EU - REACH Reg Number	Weight %	Classification	EU - GHS/CLP	Notes
BUTANE	106-97-8	203-448-7	01-21194746 91-32	5 - < 10	F+; R12	Press. Gas Flam. Gas 1 (H220)	
AMMONIA SOLUTION	1336-21-6	215-647-6	01-21194888 76-14	1 - < 3	C; R34 N; R50	Skin Corr. 1B (H314) Aquatic Acute 1 (H400)	B

This mixture contains substances with a Community workplace exposure limit. For any H statements and R phrases mentioned in this section, see the full text in section 16.

EU Notes

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different labelling since the hazards vary at different concentrations.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Get medical attention immediately if symptoms occur.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Ingestion

Rinse mouth with water. If swallowed, seek medical advice and show the container or label.

4.2. Most important symptoms and effects, both acute and delayed

Sensitization

No information available.

Eye contact

May cause irritation as itching and redness.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

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

Notes to physician

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Dry powder. Alcohol-resistant foam. Carbon dioxide (CO₂). Water spray.

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

Material can create slippery conditions. Pressurized container. Keep product and empty container away from heat and sources of ignition.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Ventilate the area. Due to the nature of the aerosol packaging, a large spill is unlikely. For a small spill, wear appropriate protective clothing, ventilate the area, absorb with an inert material and transfer all material into a properly labeled container for disposal. Use care as spills may be slippery.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning up

For the non volatile residues: Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

For safety reasons in case of fire, cans should be stored separately in closed containments. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Storage class according to Technical Rule 510: 2B (Aerosol dispensers and lighters).

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Component	European Union	The United Kingdom	France	Germany	Belgium
BUTANE		STEL: 750 ppm STEL: 1810 mg/m ³ TWA: 600 ppm TWA: 1450 mg/m ³	TWA: 800 ppm TWA: 1900 mg/m ³	AGW: 1000ppm AGW: 2400mg/m ³ Peak: 4000ppm Peak: 9600mg/m ³ TWA: 1000ppm TWA: 2400mg/m ³	1000 ppm TWA (gas, as Aliphatic hydrocarbons [alkanes C1-4]) 1000 ppm TWA

Component	Austria	Switzerland
BUTANE	STEL: 1600 ppm STEL: 3800 mg/m ³ TWA: 800 ppm TWA: 1900 mg/m ³	STEL: 3200 ppm STEL: 7200 mg/m ³ TWA: 800 ppm TWA: 1900 mg/m ³ TWA: 1000 ppm TWA: 1800 mg/m ³

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8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 141 (organic vapours). In case of inadequate ventilation wear respiratory protection.

Hand Protection

Long term use eg: continuous wear or immersion: Wear suitable protective gloves conforming to EN 374. Type of gloves suggested: Nitrile rubber (0.4 mm). PVC (0.7 mm). Neoprene gloves (0.4mm). Suitability and durability of a glove is dependent upon usage factors such as frequency, duration of use, temperature and chemical resistance. The use of a chemical-protective glove may in practice be much shorter than the permeation time determined through testing. For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Off-white Foam	Specific Gravity	1.14
Physical state	liquid	Solubility	Dispersible in water
Odor	Ammoniacal	Autoignition Temperature	No information available.
pH	9.5	Viscosity	Non viscous
Melting Point/Range	No information available.	Explosive properties	No information available
Boiling Point/Range	No information available.	Oxidizing Properties	No information available
Flash Point	Not relevant	VOC Content (%)	6 %
Evaporation Rate	No information available		
Flammability Limits in Air %:	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		

9.2. Other information

No other information available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from open flames, hot surfaces, and sources of ignition.

10.5. Incompatible materials

No materials to be specially mentioned.

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10.6. Hazardous decomposition products

None under normal storage conditions and use.

Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

The product itself has not been tested.

Component	Oral LD50	Dermal LD50	Inhalation LC50
BUTANE			= 658 g/m ³ (Rat) 4 h
AMMONIA SOLUTION	= 350 mg/kg (Rat)		

Sensitization

No information available.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

Eye contact

May cause irritation as itching and redness.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product Information

The product itself has not been tested.

Ecotoxicity effects

Contains substance(s) known to be hazardous to the aquatic environment.

Component	Toxicity to Fish	Crustacea	Toxicity to Algae
AMMONIA SOLUTION	LC50 = 8.2 mg/L Pimephales promelas 96 h	0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50	

12.2. Persistence and degradability

Mainly an inorganic product which can not be eliminated from water through biological processes.

12.3. Bioaccumulative potential

Not likely to bioaccumulate. Component information below.

Component	log Pow
BUTANE	2.89

12.4. Mobility in soil

Partially soluble in water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6. Other adverse effects

No data available.

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Do not expose to heat, flames, sparks or other sources of ignition. Do not pierce or burn, even after use. Empty containers should be taken for local recycling, recovery or waste disposal.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

16 05 04* gases in pressure containers (including halons) containing dangerous substances.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.

IMDG/IMO

UN-No	UN1950
Proper Shipping Name	Aerosols, asphyxiant
Hazard Class	2.2
EmS No.	F-D, S-U

ADR / RID

UN-No	UN1950
Hazard Class	2.2
Classification Code	5A
Limited Quantity	1 L
Transport Cat. (Tunnel Restriction Code)	3 (E)

IATA/ICAO

UN-No	UN1950
Hazard Class	2.2
ERG-Code	2L

14.5. Environmental hazards

The mixture is not environmentally hazardous for transport.

14.6. Special precautions for user

No special precautions.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Packaged product, not typically transported in IBC's.

Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

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

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

This mixture is not classed as hazardous by Directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account.

WGK Classification

Weakly water-endangering (WGK 1), Classification according VwVwS.

Kennzeichnung der Inhaltsstoffe gemäß deutschem WRMG:

- 5% und darüber, jedoch weniger als 15%: anionische Tenside.

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Occupational Health and Safety Law

Young persons above 15 years may only work with this if it is necessary for achievement of the training target, if the permitted atmospheric limit is maintained, and the supervision of a competent person and industrial medical care are provided.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier.

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3

H220 - Extremely flammable gas. H314 - Causes severe skin burns and eye damage. H400 - Very toxic to aquatic life.

Text of R phrases mentioned in Section 3

R12 - Extremely flammable. R34 - Causes burns. R50 - Very toxic to aquatic organisms.

Prepared By Austen Pimm

Creation Date 02/02/2015

Revision date 02/02/2015

Revision Summary

CLP update.

Name of Contact (DE)

Dr. G. Kallinowski, chem.-techn. Abteilung Deutschland

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungsklasse (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

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Disclaimer

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End of Safety Data Sheet