

Safety Data Sheet

Complies with Hazard Communication Standards (HCS) and US Department of Labor (OSHA) mandatory requirements effective June 1, 2015

Super Blast Off®

Published: June 15, 2014

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

Product Name:

Super Blast Off® (Items SB-1, SB-2, SB-3, SB-22, SB-32, SB-004 and 006, and SB-275)

Relevant Identified uses of the Product and uses advised against

Use of the product in mixture with water:

Formulated cleaning product, alkaline

Details of the Manufacturer of the Safety Data Sheet

Company Name: Blast Off International Chemical and Manufacturing Co., Inc

Location: 201 ElSCO BLVD, P.O. Box 99, Seaboard, NC 27876

Phone: (252) 589-7840

E-mail: liana@superblastoff.net (or) earlsmith15july@gmail.com

Internet: www.superblastoff.net

Responsible Person: Liana McLaughlin: (252) 589-7840, or Earl L. Smith, President: (757) 373-6741

SECTION 2: Hazards Identification

Classification of the product or the mixture:

The product, or the mixture, is not considered dangerous according to OSHA or HCS standards

Label Elements:

S Phrases:

Keep out of reach of children

Additional advice on labeling:

Product does not need to be labeled in accordance with OSHA and HCS directives or respective laws.

Other Hazards:

No hazards deemed to be of major importance with OSHA and HCS directives.

SECTION 3: Composition/information on ingredients

Mixtures:

Chemical Characterization

Aqueous solution of chemical (\pm 75% water), contains phosphates.

**Hazardous
Components**

Ec No. Quantity	Chemical Name	CAS No.	Classification	
REACH No.				
<u>203-539-1</u> < 3%	1-methoxy-2 propanol, monopropylene glycol methyl ether			
<u>107-98-2</u>	R10-67			
<u>603-064-00-3</u>	Flam. Liq. 3, STOT SE 3, H226 H336			
	Amides, C8-18 and C-18-unsatd., N.N-bis (hydroxyethyl)			1-<5%
<u>68155-07-7</u>	Xn R2:2-35/38			
<u>225-878-4</u>	3-butoxypropan-2-ol, propylene glycol monobutyl ether			<2%
<u>5131-66-8</u>	Xi R36/38			
<u>603-052-00-8</u>	Eye irritant. 2. Skin irritant. 2, H319 H315			
<u>229-912-9</u>	Disodium metasilicate			<2%
<u>6834-92-0</u>	C, Xi R34-37			
<u>014-010-00-8</u>	Skin corr. 1B, STOT SE 3: H314 H355			
<u>203-868-0</u>	2.2'- Iminodiethanol, diethanolamine			1-<4%
<u>111-42-2</u>	Xn, Xi R22-48/22-38-41			
<u>603-071-00-1</u>	Acute Tox.: 4, STOT RE 2, Skin Irrit. 2, Eye Dam. 1; H302, H373, H315, H318			
<u>200-659-6</u>	Methanol			0.1<1%
<u>67-56-1</u>	F, T R-11-23/24/25-39/23/24/25			
<u>603-001-00-X</u>	Flam. Liq. 2, Acute Tox. 3, Acute Tox., 3 STOT SE 1, H225, H331, H311			

Full test or R- and H-phrases: see section 16

SECTION 4: First Aid Measures**Description of First Aid Measures**

General Information: Remove soiled clothing

After Inhalation: No special precautions required.

After contact with skin: Wash off with plenty of water. In general, the product is not a skin irritant.

After contact with eyes: Flush eyes immediately with plenty of water. If symptoms persist, call physician.

After ingestion: If symptoms persist call a physician.

Most important symptoms and effects, both acute and delayed:

NONE KNOWN

SECTION 5: Firefighting measures

Extinguishing media Suitable extinguishing media:

The product itself does not burn. Use extinguishing measures that are appropriate to the environment

Extinguishing media which must not be used for safety reasons: None

Specific hazards arising from the substance or mixture: None known

Advice for firefighters: In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency equipment

Slipping due to leakage.

Environmental Precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Avoid subsoil penetration.

Methods and material for containment and clean-up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). After cleaning, flush away traces with water.

Reference to other sections

Suitable protective equipment - See section 8

Disposal in accordance with the official regulations - See section 13

SECTION 7: Handling and storage

Precautions for Safe Handling

Advice on safe handling

Not required under normal use. Incompatible with strong acids and oxidizing agents.

Advice on protection against fire and explosion

No special precautions required.

Conditions for safe storage, including any incompatibilities

Requirement for storage rooms and vessels.

Reliable action must be taken to prevent ingress into the soil.

Advice on storage compatibility

Do not store together with edibles. Do not store near acids. Do not store near flammable and highly inflammable substances. Store separately from oxidizing agents.

Further information on storage conditions.

Keep in a dry, cool and well-ventilated place

SECTION 8: Exposure controls/personal protection

Control parameter

Exposure limits (EH40)

CAS NO. Category	Chemical Name Origin		ml/m ³	mg/m ³	
107-98-2	1-Methoxypropan-2-ol	100	375	TWA (8h)	WEL
		150	560	STEL (15min)	WEL
67-56-1	Methanol	200	266	TWA (8h)	WEL
		250	333	STEL (15min)	WEL

Exposure controls

Protective and hygiene measures: Wash hands before breaks and at the end of the workday.

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

Physical State:	Liquid
Color:	Green
Odor:	Characteristic
pH-Value (at 20 ° C)	10.7

Changes in the physical state

Melting point	N/D
Boiling point	99° C
Flash point	N/A
Lower explosion limits	N/A
Upper explosion limits	N/A
Water solubility (@20 °C)	Completely soluble

SECTION 10: Stability and reactivity**Reactivity**

No data available

Chemical stability

No data available

Possibility of hazardous reactions

No data available

Conditions to avoid

No decomposition if used as directed

Incompatible materials

Incompatible with strong acids and oxidizing agents

Hazardous decomposition products

No dangerous decomposition products known

SECTION 11: Toxicological information**Information of toxicological affects****Acute Toxicity**

No data is available on the product itself

SAFETY DATA SHEET-SUPER BLAST OFF

CAS No.	Chemical Name	Exposure Routes	Method	Dose	Species
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
		Acute oral toxicity	LD50	<>5000 mg/kg Rats	
		Acute dermal toxicity	LD50	11000 mg/kg Rabbits	
68155-07-7	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)				
		Acute oral toxicity	LD50	1500 mg/kg Rats	
5131-66-8	3-butoxypropan-2-ol, propylene-glycol monobutyl ether				
		Acute oral toxicity	LD50	>2000 mg/kg Rats	
		Acute dermal toxicity	LD50	>2000 mg/kg Rats	
6834-92-0	Disodium metasilicate				
		Acute oral toxicity	LD50	1150 mg/kg Rats	
111-42-2	2.2-iminodiethanol, diethanolamine				
		Acute oral toxicity	LD50	680 mg/kg Rats	
		Acute dermal toxicity	LD50	8380 mg/kg Rabbits	
67-56-1	Methanol				
		Acute oral toxicity	LD50	5628 mg/kg Rats	
		Acute dermal toxicity	LD50	15800 mg/kg Rabbits	

SECTION 12: Ecological Information**Toxicity**

No data is available on the product itself

CAS No.	Chemical Name	Aquatic toxicity	Method	Dose	Species
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
		Acute fish toxicity	LC50	4600-10,000 mg/l	Golden orfe 96 (Leuciscus idus)

SAFETY DATA SHEET-SUPER BLAST OFF

	Acute algae toxicity	ErC50	>1000 mg/l	Pseudokirchneriella subcapitata
	Acute crustacean toxicity	EC50	>500 mg/l	Daphnia Magna 48
5131-66-8	3-butoxypropany-2-ol, propylene-glycol monobutyl ether			
	Acute fish toxicity	LC50	>100 mg/l	Pimephales promelas 96
	Acute crustacea toxicity	EC50	100 mg/l	Daphnia Magna 48
67-56-1	Methanol			
	Acute fish toxicity	LC50	15,400 mg/l	Lapomis macrochirus Da 96
	Acute crustacea toxicity	EC50	>10,000 mg/l	Daphnia Magna 48

Persistence and degradability

Material is ultimately biodegradable (reaches 86 mineralization in OECD test(s) for inherent biodegradability).

Bioaccumulative potential

No data available.

	Chemical name	Log Pow
107-98-2	1-methoxy-2-propanol;monopropylene glycol methyl ether	-0,437
<u>67-56-1</u>	Methanol	<u>-0,77</u>

(Partition coefficient n-octanol/water)

Mobility in soil

No data available

Information:

Contains no organically bonded halogens (AOX). Should not be released into the environment.

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Can be disposed of as a solid waste or burned in a suitable installation subject to the Environmental Protection (Duty of Care) Regulations 1991.

Waste disposal number of waste from residues/unused products

200130MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150102WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging.

SECTION 14: Transport information

Land transport (ADR/RID)**Other applicable information (land transport)**

Not classified as dangerous regarding transport regulations.

Inland waterways transport**Other applicable information (inland waterways transport)**

Not classified as dangerous regarding transport regulations.

Marine transport**Other applicable information (marine transport)**

Not classified as dangerous regarding transport regulations.

Air transport**Other applicable information (air transport)**

Not classified as dangerous regarding transport regulations.

Environmental hazards

Dangerous for the environment? NO

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

1999/13/EC VOC

VOC value (%): 4.39

Additional information (National regulatory information)

Contents (648/2004/EC)

<5% Non-ionic tensides

<5% Phosphate

0.1-<1% Edetic acid (EDTA)

SECTION 16: Other Information**Changes**

Sections which have been changed in comparison to the preceding edition: 1,2,3,4,6,9,10,11,12,14

Full text of R-phrases referred to under section 2 and 3

10 Flammable

11 Highly flammable

22 Harmful if swallowed

23/24/25 Toxic by inhalation, in contact with skin and if swallowed

34 Causes burns

36/38 Irritation to the eyes and skin

37 Irritating to respiratory system

38 Irritating to skin

39/23/24/25 Toxic danger of very serious irreversible effects through inhalation, if contact with skin and if swallowed

41 Risk of serious damage to eyes

48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed

67 Vapors may cause drowsiness and dizziness

Full test of H-statements referred to under section 2 and 3

H225 Highly flammable liquid vapor

SAFETY DATA SHEET-SUPER BLAST OFF

H226	Flammable liquid and vapor
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes severe eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H370	Causes damages to organs
H373	May cause damage to organs through prolonged or repeated exposure

Further information:

This information is based on present levels of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical leaflet or in the processing instructions.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

N/A = Not Applicable

N/D = Not Determined

(This data for the hazardous ingredients was taken receptively from the last version of the subcontractor's and/or raw material manufacturer's safety data sheet