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Safety Data Sheet Black Sealedge (7630 0200 33)

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11/23/15

Section 1 Identification

Manufacturer

Mosstype Corporation
150 Franklin Turnpike
Waldwick, NJ 07463
201-444-8000

Emergency Telephone Number

1-800-255-3924 (Chem-Tel)

Technical & SDS Information

201-444-8000

Preparation Date

11/19/15

Product Name:

Sealedge Black

Product Identification

7630 0200 33

Section 2 Hazards Identification

2.1. Classification of the substance or mixture

Flam. Liq. 2; H225	Highly Flammable liquid and vapor.
Eye Irrit. 2; H319	Causes serious eye irritation.
STOT SE 3; H336	May cause drowsiness or dizziness.

2.2. Label elements

Using the Toxicity listed in section 11 and 12 the product is labeled as follows:

**DANGER**

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

PREVENTION:

P210 Keep away from heat/sparks/ open flames/hot surfaces – No smoking.

P235 Keep cool

P240 Ground / bond container and receiving equipment.

P241 Use explosion- proof electrical/ventilating/light/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ eye protection/face protection.

RESPONSE:

P303+361+353 IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+313 if eye irritation persists: Get medical advice/ attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

STORAGE:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

DISPOSAL:

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

Section 3 Composition/ Information on Ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Butanone CAS Number: 0000078-93-3	25-50	Flam. Liq.2;H225 Eye Irrit. 2;H319 STOT SE 3; H336	[1] [2]
Methyl Isobutyl Ketone CAS Number: 0000108-10-1	5-10	Flam. Liq. 2; H225 Acute Tox.4;H332 Eye Irrit.2; H319 STOT SE 3;H335	[1][2]
Cyclohexanone CAS Number: 0000108-94-1	5-10	Flam. Liq. 3;H226 Acute Tox.4; H332	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage(concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environment hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

Section 4 First Aid Measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or Stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

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

Overview Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. 0020 See section 2 for further details.

Inhalation May cause drowsiness or dizziness.

Eyes Causes serious eye irritation.

Section 5 Fire-Fighting Measures

5.1. Extinguishing media

Use fire-fighting methods that suit the environment: Carbon Dioxide, dry chemical powder, alcohol foam or polymer foam. (Water may be ineffective.)

5.2. Special hazards arising from the substance or mixture

Avoid skin and eye contact. Provide adequate ventilation.

Hazardous decomposition: Carbon monoxide, carbon dioxide, acetic acid, and unidentified organic compounds in black smoke.

Do not allow to enter drainage system, surface or ground water. Use water spray to reduce vapors.

Keep away from heat/ sparks/ open flames / hot surfaces – No smoking,

Keep cool.

Ground/ bond container and receiving equipment.

Use explosion – proof electrical/ ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/ fume/ gas/ mist / vapors/ spray.

5.3. Advice for fire-fighters

Vapors form flammable or explosive mixtures with air at room temperature. Vapor or gas may spread to distant ignition source and flash back. Containers may explode in heat of fire. Runoff to sewer may cause fire or explosion hazard.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

ERG Guide No. 127

Section 6 Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Avoid skin and eye contact. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drainage system, surface or ground water. Use water spray to reduce vapors.

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up.

Avoid skin and eye contact. Provide adequate ventilation.

Take up with sand or other non-combustible absorbent material and place into container for later disposal.

Remove source of heat or flame.

Section 7 Handling and Storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at workplace. Keep container closed when not in use.

See section 2 for further details. _ [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Protection against explosions/fires: Store away from ignition sources. Protect from heat, sparks, and flame.

Use non-sparking tools. In large quantities, ensure that all drums, hoses, pipes and transfer vessels are grounded. Storage: Store in cool location, out of direct sunlight or other heat sources.

Common storage facilities: Avoid storage near oxidizers, strong acids and bases, anhydrides, potassium tertbutoxide, alkali or alkaline earth metals.

Incompatible materials: Strong acids and bases, oxidizing materials, chlorinated compounds fluorine and alkalis.

See section 2 for further details. [Storage]:

7.3. Specific end use(s)

No data available.

Section 8 Exposure Controls/ Personal Protection

8.1. Control Parameters

Exposure	Ingredient	Source	Value
CAS No.	Butanone	OSHA	TWA 200 ppm (590 mg/m3)
0000078-93-3		ACGIH	TWA: 50 ppm STEL: 100 ppm
		NIOSH	TWA 200 ppm (590 mg/m3) ST 300 ppm (885 mg/m3)
		Supplier	No Established Limit

CAS No.	Ingredient	Source	Value
0000108-10-1	Methyl Isobutyl Ketone	OSHA ACGIH NIOSH Supplier	TWA 100 ppm (410 mg/m3) STEL 75 ppm TWA: 20 ppm STEL: 75 ppm 2B, Revised 2011, TWA 50 ppm (205 mg/m3) ST 75 ppm (300 mg/m3) No Established Limit
0000108-94-1	Cyclohexanone	OSHA ACGIH NIOSH Supplier	TWA 50 ppm (200 mg/m3) TWA: 20 ppm STEL: 50 ppm Skin Revised 2003, TWA 25 ppm (100 mg/m3) [skin] No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000078-93-3	Butanone	OSHA NTP	Select Carcinogen: No Known: No; Suspected: No
0000108-10-1	Methyl Isobutyl Ketone	IARC OSHA NTP	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; Select Carcinogen: No Known: No; Suspected: No
0000108-94-1	Cyclohexanone	IARC OSHA NTP IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No; Select Carcinogen: No Known: No; Suspected: No Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

8.2. Exposure controls

Respiratory	If TLV is exceeded, a full-face respirator with self-contained breathing apparatus is recommended.
Eyes	Safety glasses are recommended. Do not wear contact lenses. An eye bath and washing facilities should be available.
Skin	Neoprene and nitrile gloves are recommended.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. [Prevention]:

Section 9 Physical and Chemical Properties

Appearance	Clear, straw, Green, Black Fluid Liquid
Odor	ketone odor
Odor threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Initial boiling point and boiling range	78-99-170* °C / 172-210-338* °F (*=End Point)
Flash point	-3°C / 28°F (TCC) Lowest Component
Evaporation rate (Ether =1)	Not measured
Flammability (solid, gas)	Not applicable
Upper/lower flammability or Explosive limits	Lower Explosive Limit: 1.2 Vol% Upper Explosive Limit: 12.8 Vol%
Vapor pressure (Pa)	30.7
Vapor Density	1.5(air=1)
Specific Gravity	Not Measured
Solubility in Water	100%

Partition coefficient n-octanol/ Water (Log Kow)	Not measured
Auto-ignition temperature	Not available
Decomposition temperature	Not measured
Viscosity (cSt)	Not measured
Density	Not available

9.2. Other information

No other relevant information.

Section 10 Reactivity and Stability

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Heat, sparks, open flames, electrostatic discharge.

10.5. Incompatible materials

Strong acids and bases, oxidizing materials, chlorinated compounds fluorine, and alkalis.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, acetic acid and unidentified organic compounds in black smoke.

Section 11 Toxicological Information

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50 mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Butanone- (78-93-3)	2,737.00, Rat- Category:5	6,480.00, Rabbit- Category:NA	32.00, Mouse- Category:NA	No data available	No data available
Methyl Isobutyl Ketone (108-10-1)	2,080.00, Rat- Category: 5	16,000.00, Rabbit- Category:NA	No data available	No data available	No data available
Cyclohexanone-(108-94-1)	1,400.00, Mouse - Category:4	948.00, Rabbit Category: 3	10.70, Rat- Category:4	No data available	8,000.00, Rat- Category:4

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not applicable
Acute toxicity (dermal)	---	Not applicable
Acute toxicity (inhalation)	---	Not applicable
Skin corrosion/irritation	---	Not applicable
Serious eye damage/irritation	2	Causes serious eye irritation
Respiratory sensitization	---	Not applicable
Skin sensitization	---	Not applicable
Germ cell mutagenicity	---	Not applicable
Carcinogenicity	---	Not applicable
Reproductive toxicity	---	Not applicable
STOT-single exposure	3	May cause drowsiness or dizziness
STOT-single exposure	---	Not applicable
STOT- repeated exposure	---	Not applicable
Aspiration hazard	---	Not applicable

Section 12 Ecological Information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish mg/l	48 hr EC50 crustacea mg/l	ErC50 algae, mg/l
Butanone - (78-93-3)	400.00, Cyprinodon variegatus	520.00, Daphnia magna	500.00 (96 hr) Skeletonema costatum
Methyl isobutyle ketone – (108-10-1)	505.00, Pimephales promelas	1,550.00, Daphnia magna	980.00 (48 hr), Scenedesmus subspicatus
Cyclohexanone – (108-94-1)	527.00, Pimephales promelas	820.00, Daphnia magna	32.90 (72 hr) Chlamydomonas reinhardtii

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not measured.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

Section 13 Disposal Considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14 Transportation Information

	DOT (Domestic Surface Transportation)	IMO/ IMDG(Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1193	UN1193	UN1193
14.2. UN proper shipping name	UN 1193, Methyl ethyl ketone, 3, II	Methyl ethyl ketone	Methyl ethyl
14.3. Transport hazard class(es)	DOT Hazard Class: 3	IMDG: 3 Sub Class: NA	Air class:3
14.4. Packaging Group	II	II	II
14.5. Environmental Hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

Section 15 Regulatory Information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act(TSCA)	All components of this material are either listed or exempt from listing on TSCA Inventory.
WHMIS Classification	B2 D2B
US EPA Tier II Hazards	Fire: Yes Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No
EPCRA 311/312 Chemicals and RQs (lbs):	Butanone (5,000.00) Cyclohexanone (5,000.00) Methyl Isobutyl Ketone (5,000.00)
EPCRA 302 Extremely Hazardous	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 313 Toxic Chemicals:	Methyl Isobutyl ketone
Proposition 65 – Carcinogens (>0.0%)	Methyl Isobutyl ketone

Proposition 65 – Developmental Toxins (>0.0%)

Methyl isobutyl ketone

Proposition 65 – Female Repro Toxins (>0.0%)

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 – Male Repro Toxins (>0.0%)

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%)

Butanone

Cyclohexanone

Methyl Isobutyl Ketone

Pennsylvania RTK Substances (>1%)

Butanone

Cyclohexanone

Methyl isobutyl Ketone

Section 16 Other Information

Every reasonable effort has been made to ensure that the safety information on this sheet is accurate. But because Mosstype has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no expressed or implied warranties of merchantability or fitness for a particular purpose. Mosstype assumes no liability for injury or incidental or consequential damages arising out of the storage handling, or use of this product. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.