

Safety Data Sheet

AC-M64

SDS Revision Date:

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1. Identification

1.1. Product identifier

Product Identity AC-M64
Alternate Names AC-M64

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

Intended use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Broadview Technologies
7-33 Amsterdam Street
Newark, NJ 07105

Emergency

CHEMTREC (USA) (800) 424-9300
Customer Service: Broadview Technologies (973)-465-0077

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute Tox. 4;H312	Harmful in contact with skin.
Acute Tox. 3;H331	Toxic if inhaled.
Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Resp. Sens. 1;H334	May cause allergy or asthma symptoms of breathing difficulties if inhaled.

2.2. Label elements

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



Danger

H312 Harmful in contact with skin.

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H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

[Prevention]:

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

P264 Wash thoroughly after handling.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

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.

P310 Immediately call a POISON CENTER or doctor / physician.

P313 Get medical advice / attention.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice / attention.

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

P341 If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

[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.

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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
Memtetrahydrophthalic anhydride CAS Number: 0025134-21-8	60 - 100	Acute Tox. 4;H302 Acute Tox. 3;H331 Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Dam. 1;H318 Resp. Sens. 1;H334	[1]
Glycerol CAS Number: 0000056-81-5	20 - 40	Not Classified	[1][2]
5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo- CAS Number: 0000552-30-7	20 - 40	STOT SE 3;H335 Eye Dam. 1;H318 Resp. Sens. 1;H334 Skin Sens. 1;H317	[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 environmental 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.

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	No information found for human overexposure. Based on the available animal toxicity information for similar products, it is anticipated that this material will produce moderate to severe skin irritation and severe eye irritation. Upon prolonged contact, burns and possible irreversible damage may be produced. Repeated or prolonged contact may induce skin or lung sensitization. Mists or vapors may be irritating to the respiratory tract. Overexposure may aggravate bronchial asthma, eczema, and other allergic conditions. See section 2 for further details.
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Inhalation	Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eyes	Causes serious eye damage.
Skin	Harmful in contact with skin. May cause an allergic skin reaction. Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Foam, Dry Chemical, Water, and Carbon Dioxide

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Thermal decomposition may produce toxic organic vapors/fumes and oxides of carbon. Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Firefighting personnel must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

Products of combustion are toxic. If water must be used, use a fog nozzle to avoid spread of burning liquid and increased evaporation of volatile, flammable material.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

Caution! Floors may become slippery. Wear appropriate protective gear and NIOSH/MSHA approved respirator where mists or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred). Dike and contain spill with inert material (sand, earth, etc.). Transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewer and open bodies of water.

7. Handling and storage

7.1. Precautions for safe handling

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

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7.2. Conditions for safe storage, including any incompatibilities

Keep Containers tightly closed until used.

Incompatible materials: Incompatible with bases, oxidizing agents, and strong acids. This material hydrolyzes in water.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000056-81-5	Glycerol	OSHA	TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)
		ACGIH	TWA: 3 mg/m3 (respirable) 10 mg/m3 (mist)
		NIOSH	No established RELs
		Supplier	No Established Limit
0000552-30-7	5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-	OSHA	No Established Limit
		ACGIH	Ceiling: 0.04 mg/m3Skin, S Revised 2008; 2010,
		NIOSH	TWA 0.005 ppm (0.04 mg/m3) Should be handled in the workplace as an extremely toxic substance.
		Supplier	No Established Limit
0025134-21-8	Memtetrahydrophthalic anhydride	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000056-81-5	Glycerol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000552-30-7	5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0025134-21-8	Memtetrahydrophthalic anhydride	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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8.2. Exposure controls

Respiratory	In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices. In the absence of proper environmental controls, a NIOSH/MSHA jointly approved respirator is advised.
Eyes	Wear chemical goggles where there is potential for eye contact. Use safety glasses with side shields under normal use conditions.
Skin	To prevent skin contact, rubber or neoprene 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	Eye wash stations, safety showers, and protective clothing should be provided to all workers. 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]:

9. Physical and chemical properties

Appearance	Clear Dark Yellow Viscous Liquid
Odor	Slight Acidic Odor
Odor threshold	Not determined
pH	Acidic
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	>200°F
Evaporation rate (Ether = 1)	Less than Butyl Acetate
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	1.27 - 1.29
Solubility in Water	Insoluble (Hydrolyzes)
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured

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Viscosity (cSt) 2500 to 2700 cps

VOC Content Nil

9.2. Other information

No other relevant information.

10. Stability and reactivity

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

Avoid moisture and heat. Product will decompose at high temperatures.

10.5. Incompatible materials

Incompatible with bases, oxidizing agents, and strong acids. This material hydrolyzes in water.

10.6. Hazardous decomposition products

Thermal decomposition may produce toxic organic vapors/fumes and oxides of carbon.

11. Toxicological information

Acute toxicity

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
Memtetrahydrophthalic anhydride - (25134-21-8)	No data available	No data available	No data available	No data available	No data available
Glycerol - (56-81-5)	12,600.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	No data available	No data available	No data available
5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo- - (552-30-7)	2,730.00, Rat - Category: 5	2,000.00, Rabbit - Category: 4	No data available	2.33, Rat - Category: 4	No data available

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).

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Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	4	Harmful in contact with skin.
Acute toxicity (inhalation)	3	Toxic if inhaled.
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	1	May cause allergy or asthma symptoms of breathing difficulties if inhaled.
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

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
Memtetrahydrophthalic anhydride - (25134-21-8)	Not Available	Not Available	Not Available
Glycerol - (56-81-5)	67,500.00, Oncorhynchus mykiss	10,000.00, Daphnia magna	Not Available
5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo- - (552-30-7)	1,000.00, Leuciscus idus	1,000.00, Daphnia magna	Not Available

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.

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12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

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

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

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 the TSCA Inventory.
WHMIS Classification	D1B E
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes

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Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

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

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:

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

Proposition 65 - Carcinogens (>0.0%):

Benzene

Benzene, (chloromethyl)-

Proposition 65 - Developmental Toxins (>0.0%):

Benzene

Toluene

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%):

Benzene

New Jersey RTK Substances (>1%):

5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-

Glycerol

Pennsylvania RTK Substances (>1%):

5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-

Glycerol

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. 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:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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H331 Toxic if inhaled.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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