



MARTRON INC. SAFETY DATA SHEET MARTRON SN2012-MA

Section 1: PRODUCT and COMPANY IDENTIFICATION

Product Identifier

Product Name MARTRON SN2012-MA
Product Number MFC-007023

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Refer to the *Martron Inc.* Technical Data Bulletin for this product.
For Industrial Use Only.

Details of the Supplier

Martron Inc.
1394-A Walkup Ave.
Monroe, NC 28110
704-289-1934

Website

www.martroninc.com

Emergency Number

ChemTrec – 800-424-9300

Section 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Acute oral toxicity	Category 4
Acute toxicity – Dermal	Category 4
Acute toxicity – inhalation (Dusts/Mists)	Category 4

Classification according to 67/548/EEC
Full text of R-phrases: see Section 16

Hazard Symbols

Not dangerous

Label Elements



Signal Word

WARNING

Hazard Statements

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled

Precautionary Statements - EU (§28, 1272/2008)

P322 - Specific measures (see Sections 4 and 8)

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 P330 - Rinse mouth
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water
 P363 - Wash contaminated clothing before reuse
 P501 - Dispose of contents/container to an approved waste disposal plant
 P302+P350 - IF ON SKIN: Gently wash with plenty of soap and water
 P322 - Specific measures (see supplemental first aid instructions on this label)
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
 P271 - Use only outdoors or in a well-ventilated area
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell

Other Hazards**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS****Mixture**

Chemical Name	EC #	CAS #	Weight - %	Classification According to Directive 67/548/EEC or 1999/45/EC	Classification According to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
2-Butoxyethanol	Present	111-76-2	1-10	Xn; R20/21/22 Xi; R36/38	Acute Tox.4 (H302) Acute Tox.4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available
Alpha Naphthaldehyde	Present	66-77-.3	<5	-	No data available	No data available

Full Text of R-Phrases See Section 16

Full Text of H- and EUH-Phrases See Section 16

Section 4: FIRST AID MEASURES**Description of First Aid Measures****General Advice**

Immediate medical attention is required.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If irritation persists, get medical attention.

Eye Contact

Immediately flush eyes in a directed stream of water for at least 15 minutes while lifting the upper and lower eyelids intermittently to ensure complete irrigation. Get medical attention immediately.

Ingestion

If conscious and alert, rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Self-Protection of the First Aider

Use personal protective equipment as required.

Most Important Symptoms and Effects, Both Acute and Delayed Symptoms

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**Note to Physicians**

Keep victim under observation. Treat symptomatically.

Section 5: FIREFIGHTING MEASURES**Extinguishing Media****Suitable Extinguishing Media**

Use extinguishing material suitable for surrounding fire. Water spray, foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

No information available.

Special Hazards Arising from the Substance or Mixture

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

Advice for Firefighters

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece when fighting chemical fires. Move containers from fire area if it can be done without risk.

Section 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Use personal protective equipment as required. Do not touch or walk through spilled material. Avoid contact with skin, eyes and inhalation of vapors.

For Emergency Responders

Use personal protection recommended in Section 8.

Environmental Precautions

Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Should not be released into the environment.

Methods and Material for Containment and Cleanup**Methods for Containment**

Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so.

Methods for Cleanup

Ventilate area. Eliminate ignition sources. Wear protective equipment. Contain spillage, then absorb spill with inert absorbent and place in a DOT-approved container for disposal. Comply with all local, state and federal regulations.

Reference to Other Sections**Other Information**

See Section 12: Ecological Information.

Section 7: HANDLING and STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Do not cut, drill, grind, weld or perform similar operations on or near empty containers.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions

Store indoors in a cool dry area. Keep container closed. Keep in properly labeled containers. Keep away from food, drink and animal feeding stuffs.

Specific End Use(s)

Risk Management Measures

The information required is contained in this Safety Data Sheet (SDS).

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

ACGIH TLV Threshold Limit Value.

OSHA PEL Permissible Exposure Limit.

NIOSH IDLH Immediately Dangerous to Life or Health.

Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir. 1992).

Engineering Controls

Showers. Eyewash stations. A system of local and/or general exhaust is recommended to keep employee exposures below the airborne exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protective Equipment (PPE)

Eye/Face Protection

Wear safety glasses with side shields (or goggles). It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

Skin Protection

Wear chemical resistant gloves such as butyl rubber, natural rubber, neoprene or nitrile. Suitable protective clothing. Protective shoes or boots.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Section 9: PHYSICAL and CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Colorless clear liquid
Odor	Slight
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Approx. 2.1	
Melting Point/Freezing Point	Not established	
Boiling Point/Boiling Range	Not established	
Flash Point	Not established	
Evaporation Rate	Not established	
Flammability (solid, gas)	Not applicable	
Flammability Limits in Air		
Upper Flammability Limit	Not established	
Lower Flammability Limit	Not established	
Vapor Pressure	Not established	
Vapor Density	Not established	
Specific Gravity	1.01 - 1.06	
Water Solubility	Completely soluble	
Solubility(ies)	Not applicable	
Partition Coefficient		
(n-octanol/water)	Not applicable	
Auto-Ignition Temperature	Not applicable	
Decomposition Temperature	Not established	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
 <u>Other Information</u>		
VOC Content (%)	See Section 15	

Section 10: STABILITY and REACTIVITY

Reactivity

Stable at normal temperatures and pressure.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization

Hazardous polymerization does not occur.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid storage with incompatible materials, freezing temperatures and excessive heat.

Incompatible Materials

Oxidizing materials. Alkalis.

Hazardous Decomposition Products

Thermal decomposition may generate carbon monoxide, carbon dioxide, oxides of sulfur, smoke and fumes.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation

Inhalation of product or product mist may cause irritation of the respiratory tract, coughing and chest discomfort. Excessive inhalation exposure may cause blood and kidney effects.

Eye Contact

Will result in severe irritation and possible corneal injury. Vapors may irritate eyes.

Skin Contact

Causes skin irritation. May be absorbed through the skin in harmful amounts

Ingestion

Will cause irritation to the mouth, throat, esophagus and stomach. Ingestion of large amounts may cause blood and kidney effects.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol	470 mg/kg (Rat)	= 220 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
Alpha Naphthaldehyde	667 mg/kg (Rat)		

Chronic Toxicity

Prolonged or repeated contact may result in kidney damage and blood effects. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol	A3	Group 3		

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen with Unknown Relevance to Humans.

IARC (International Agency for Research on Cancer)

Group 3 - Unclassifiable as to Carcinogenicity in Humans

Target Organ Effects

Blood, Central nervous system, Eyes, hematopoietic system, Kidney, Liver, Respiratory system, Skin.

Section 12: ECOLOGICAL INFORMATION

Toxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
2-Butoxyethanol		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

No information available.

Bio-Accumulative Potential

Chemical Name	Partition Coefficient
2-Butoxyethanol	0.81

Mobility in Soil

No information available.

Results of PBT and vPvB Assessment

No information available.

Other Adverse Effects

No information available

Section 13: DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Waste from Residues/Unused Products**

Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Do not discharge into waterways or sewer systems. Disposal will depend on the nature of waste material.

Contaminated Packaging

Since empty containers retain product residues, all labeled hazardous precautions must be observed. Do not repackage product. Do not reuse container.

Waste Codes/Waste Designations According to EWC/AVV

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION**DOT (US)**

Not regulated

IMDG

Not regulated

IATA

Not regulated

Section 15: REGULATORY INFORMATION**International Inventories**

All of the components in this product are on or exempt from the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Japan (ENCS), China (IECSC), Korea (ECL), Philippines (PICCS), Australia (AICS)

International Inventory Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS #	Weight - %	SARA 313 – Threshold Values %
2-Butoxyethanol	111-76-2	1-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CAA (Clean Air Act), Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.

Chemical Name	CAS #	Weight - %	CAA (Clean Air Act), Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)	Volatile Organic Compounds (VOC) - Clean Air Act	Class 1 Ozone Depletors	Class 2 Ozone Depletors
2-Butoxyethanol	111-76-2	1-10	X	Present		

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
2-Butoxyethanol	X	X	X

International Regulations

Mexico - Grade

Slight risk, Grade 1

Chemical Name	Carcinogenicity	Exposure Limits
2-Butoxyethanol		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m ³ Mexico: STEL 75 ppm Mexico: STEL 360 mg/m ³

CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the Safety Data Sheet (SDS) contains all the information required by the CPR.

Section 16: OTHER INFORMATION

Full Text of R-Phrases Referred to Under Sections 2 and 3

- R22 - Harmful if swallowed
- R36/38 - Irritating to eyes and skin

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

Full Text of H-Statements Referred to Under Sections 2 and 3

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Issue Date	27-Aug-2014
Revision Date	Not Applicable
Revision Note	Not Applicable.

This Safety Data Sheet (SDS) complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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