

# METHACRYLATE PRODUCERS ASSOCIATION, INC.

## SELECTED METHACRYLATE REGULATIONS

(Last Updated 5-7-18)

[Disclaimer](#)

Methacrylates are subject to a number of federal and international statutes and regulations. The table below presents a selection of important hazard listings and other regulations that apply to one or more methacrylates. A separate table accessible through links included in this table summarizes FDA food contact approvals for the acrylates. A list of acronyms used in the tables is available [here](#).

The table contains links to websites maintained by third parties. Links to third party websites are provided for user convenience only and do not constitute an approval of MPA as to their content. MPA shall not be liable for the availability and content of such third party websites or for any damage or injury resulting from the use thereof.

	Methyl Methacrylate (MMA)	Methacrylic Acid (MAA)	Ethyl Methacrylate (EMA)	Butyl Methacrylate (nBMA)	Isobutyl Methacrylate (iBMA)	2-Ethylhexyl Methacrylate (2-EHMA)
CAS No.	80-62-6	79-41-4	97-63-2	97-88-1	97-86-9	688-84-6
EINECS/EC No.	201-297-1	201-204-4	202-597-5	202-615-1	202-613-0	211-708-6
<b>Hazard Listings</b>						
OSHA PELs 29 CFR § 1910.1000, Table Z-1	100 ppm	N/A	N/A	N/A	N/A	N/A
ACGIH® TLV	TWA = 50 ppm STEL = 100 ppm DSEN	TWA = 20 ppm	N/A	N/A	N/A	N/A
IRIS	Yes RFD = 1.4 mg/kg/day RFC = 0.7 mg/m <sup>3</sup>	N/A	N/A	N/A	N/A	N/A
DOT Hazardous Materials 49 CFR 172.101	Class 3 Flammable	Class 8 Corrosive	Class 3 Flammable	Class 3 Flammable	Class 3 Flammable	N/A
Extremely Hazardous Substances EPCRA/SARA 40 CFR 355, App. A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Cancer Classifications</b>						
IARC	Group 3 (not classifiable)	N/A	N/A	N/A	N/A	N/A
EPA	“Not likely to be carcinogenic to humans”	N/A	N/A	N/A	N/A	N/A
NTP	N/A	N/A	N/A	N/A	N/A	N/A

## MPA Regulatory Table

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<b>Other U.S. Federal/State Regulations</b>						
EPCRA/SARA Section 313 (TRI) 40 CFR 372.65	Yes (1%)	N/A	N/A	N/A	N/A	N/A
CERCLA – Reportable Quantity 40 CFR 302.4	1,000 lbs	N/A	1,000 lbs	N/A	N/A	N/A
RCRA Hazardous Waste 40 CFR 261.33	U162	N/A	U118	N/A	N/A	N/A
Clean Water Act Priority Pollutant 40 CFR Part 423	N/A	N/A	N/A	N/A	N/A	N/A
Clean Air Act 112(b) Hazardous Air Pollutants	Yes	N/A	N/A	N/A	N/A	N/A
Acute Exposure Guideline Levels (AEGs)	Interim	Interim	N/A	N/A	N/A	N/A
Clean Air Act VOCs	Yes	Yes	Yes	Yes	Yes	Yes
FDA Food Contact Approvals	Yes	Yes	Yes	Yes	Yes	Yes
California Proposition 65	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
<b>Canadian Regulations</b>						
List of Prohibited and Restricted Cosmetic Ingredients	Yes	Yes	Yes	N/A	N/A	N/A

### Disclaimer

This table is not intended to provide a comprehensive listing of all regulations that may apply to methacrylates. The table is provided solely as background information and should not substitute for up-to-date research should specific regulatory or other legal questions arise. The table is not intended to be a statement of legal requirements when using or handling methacrylates. Although the information in the table is believed to be accurate as of the last update, regulations frequently change and no warranty, expressed or implied, is made concerning the contents. In addition, many states and localities adopt their own regulations, which are not covered by this table. In all events, the user should consult applicable laws and regulations, as well as their supplier's Material Safety Data Sheet, for current requirements. **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN.**

## Acronyms

<b>ACGIH®</b>	American Conference of Industrial Hygienists
<b>AEGL</b>	Acute Exposure Guideline Levels (AEGLs represent one-time threshold exposure limits for the general public and are applicable to emergency exposure periods ranging from 10 minutes to 8 hours)
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act (a.k.a. "Superfund")
<b>DOT</b>	U.S. Department of Transportation
<b>EPA</b>	U.S. Environmental Protection Agency
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act
<b>FDA</b>	U.S. Food and Drug Administration
<b>IARC</b>	International Agency for Research on Cancer
<b>IRIS</b>	Integrated Risk Information System (EPA's database of non-cancer and cancer risk information on more than 550 chemical substances)
<b>NTP</b>	National Toxicology Program (A U.S. interagency program that evaluates chemical hazards)
<b>OSHA</b>	U.S. Occupational Health and Safety Administration
<b>PEL</b>	Permissible Exposure Limit (legal limit for worker air exposure, expressed here as an 8-hour TWA)
<b>RCRA</b>	Resource Conservation and Recovery Act (regulation of hazardous waste)
<b>RFD/RFC</b>	Reference Dose/Reference Concentration (an estimate of daily oral/inhalation exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious non-cancer effects during a lifetime)
<b>SARA</b>	Superfund Amendments and Reauthorization Act (Title III of SARA created EPCRA)
<b>STEL</b>	Short Term Emission limit (guideline spot exposure for a duration of 15 minutes)
<b>TLV</b>	Threshold Limit Value (guideline level of exposure that a typical worker can experience each day without unreasonable risk of injury)
<b>TRI</b>	Toxic Release Inventory
<b>TWA</b>	Time Weighted Average (average exposure during an 8-hour work shift)
<b>VOCs</b>	Volatile Organic Compounds