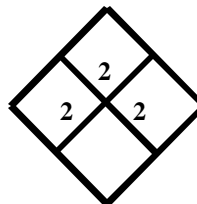


1. PRODUCT IDENTIFICATION

Trade Name: ADDITIVE 77/1059 (Black)

Material Code: FPC3356

Chemical Family: Acrylate Ester Resins in Solvents



NFPA RATING

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
	108-65-6	2-Propanol, 1-methoxy -, acetate	NE	NE	NE	NE	TLV 100 ppm	NR	NR	NR
	Common Name: Concentration	Propylene Glycol Monomethyl Ether Acetate 10.00 - 30.00 % by wt								
	123-86-4	Acetic acid, butyl ester	150 ppm	200 ppm	150 ppm	200 ppm	NE	NR	NR	NR
	Common Name: Concentration	n-Butyl Acetate 0.00 - 10.00 % by wt								
*	1333-86-4	Carbon Black	3.5 mg/m3	NE	3.5 mg/m3	NE	NE	Yes	NR	NR
	Concentration	10.00 - 30.00 % by wt								
	Confidential Concentration	Acrylate esters 60.00 - 90.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Paint additive 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: WARNING!! FLAMMABLE Causes severe eye irritation, skin irritation and possible allergic skin reaction. Harmful if inhaled and if swallowed.

Effective Date: 12/3/02

Primary Route(s) of Entry: Dermal, inhalation.

Potential Health Effects: Vapor or mist will severely irritate the nose and throat and cause dizziness and loss of coordination. Liquid or vapor can cause substantial irritation to eyes. Substance can cause moderate irritation to skin. Possibly harmful if swallowed.

Carcinogenicity (NTP, IARC, OSHA): This product contains Carbon Black which is a suspected carcinogen by NTP, IARC and/or OSHA.

Chronic: Prolonged and repeated exposure can cause allergic reaction. Also, overexposure to substance may cause delayed and serious injury.

4. FIRST AID MEASURES

Ingestion: If swallowed dilute by giving two (2) glasses water to drink. See a physician. Never give anything by mouth to an unconscious person.

Skin: For skin contact, wash affected areas with plenty of water, and soap, if available, for several minutes. Get medical attention if irritation occurs.

Inhalation: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

Note to Physician: Allergic dermatitis or respiratory response in susceptible individuals may be delayed. It may appear after weeks or even months of frequent and prolonged contact.

Medical Conditions Aggravated by Exposure: Allergy, eczema, eye or respiratory conditions.

5. FIRE FIGHTING MEASURES

Flash Point: ~ 39°C (~ 102 °F) (estimated)

Fire Fighting Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray.

Fire Fighting Equipment: Use self-contained breathing apparatus and full protective clothing.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Eliminate ignition sources. Ventilate area. Avoid breathing vapor. Evacuate the spill area. Wear full protective equipment. Dike and absorb spill with inert material. Transfer to containers suitable for disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Thoroughly launder clothing before re-use. Keep spills and

Effective Date: 12/3/02

cleaning runoffs out of municipal sewers and open bodies of water. If spilled on a porous surface, ground contamination must be considered.

7. HANDLING AND STORAGE

Signal Word: WARNING! FLAMMABLE

Precautions: Keep away from heat, sparks and open flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray. Use only with good ventilation. Individuals should wash thoroughly after handling. Store in closed containers in cool, well-ventilated area. Ground and bond metal containers for liquid transfer to avoid static sparks. For industrial use only.

Other Handling Information: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Do not inhale mists. Use with adequate ventilation. For industrial use only.

Storage Information: Storage Temperature: Maximum 18° C - Minimum 6° c. Store indoors in a cool, dry area with adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Eye bath and safety shower should be available. Wear protective clothing.

Exposure Guidelines: Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Wear respirator (MSHA/NIOSH or approved equivalent) suitable for concentrations and type of air contaminants encountered.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: Good general mechanical ventilation and local exhaust recommended.

Emergency Response Protection: Wear breathing apparatus (MSHA/NIOSH-approved, pressure demand, self-contained or equivalent) and full protective gear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thixotropic liquid
Color:	Black
Odor:	Sweet, Ether-like
Solubility in Water:	Slight
Viscosity:	> 5000 - < 15000 cps at 25°C (77 °F)
Vapor Pressure:	~ 4 mm Hg at 20°C (68 °F) (Estimated Value)
Specific Gravity:	~ 1.16 (Water = 1)
Evaporation Rate:	< 1 (Butyl Acetate = 1)
Vapor Density:	> 1 (Air = 1)
VOC:	270 g/L (This is an estimated value.)

Effective Date: 12/3/02

10. STABILITY AND REACTIVITY**Conditions to Avoid:** Heat, UV radiation, free radical initiators and inert gases.**Stability:** Stable under normal conditions.**Incompatibility:** Strong oxidizing agents.**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, aldehydes**Hazardous Polymerization:** May occur.**11. TOXICOLOGICAL INFORMATION****Sensitization:** Skin sensitizer.**Carcinogenicity:** Based upon an IARC conclusion that there is "sufficient evidence in experimental animals for the carcinogenicity of carbon black" and inadequate evidence of carcinogenicity in humans IARC's overall evaluation is that "carbon black is possibly carcinogenic to humans" (group 2B). Carbon black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).**Skin Irritation:** Moderate irritation.**Eye Irritation:** Moderate - severe.**12. ECOLOGICAL INFORMATION****Biodegradability:** No information available.**Ecotoxicity:** No information available.**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method:** Incinerate in approved equipment. Landfill or incinerate contaminated material in accordance with local, state, and federal regulations.**14. TRANSPORT INFORMATION****DOT: Non-Bulk**

Proper Shipping Name:	Flammable Liquid, n.o.s.
Technical Shipping Name (If n.o.s.):	Propylene glycol methyl ether acetate
Hazard Class:	3
ID Number:	UN 1993
Packing Group:	PG III, F.P. 39°C
Label:	Flammable liquid
Hazard Labels:	flammable

IATA: Non-Bulk

Proper Shipping Name:	Flammable Liquid, n.o.s.
Technical Shipping Name (If n.o.s.):	Propylene glycol methyl ether acetate

Effective Date: 12/3/02

Hazard Class:	3
ID Number:	UN 1993
Packing Group:	PG III, F.P. 39°C
Label:	Flammable liquid
Hazard Labels:	flammable
IMDG: Non-Bulk	
Proper Shipping Name:	Flammable Liquid, n.o.s.
Technical Shipping Name (If n.o.s.):	Propylene glycol methyl ether acetate
Hazard Class:	3
ID Number:	UN 1993
Packing Group:	PG III
Label:	Flammable liquid
Hazard Labels:	flammable

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Resource Conservation and Recovery Act (RCRA): This product is considered to be a hazardous waste under RCRA (40 CFR 261). D001

SARA Title III: Section 304 - CERCLA: This product contains the following chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification ("CERCLA" List):

Chemical Name: Acetic acid, butyl ester
Common Name: n-Butyl Acetate
CAS Number: 123-86-4
Percent in Composition: 0 - 10 % by wt
Component RQ: 100

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Immediate (acute) health hazard
Flammable (Fire) hazard

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Australian Inventory Status: This product contains only chemicals which are currently listed on the Australian Inventory of Chemical Substances.

Canadian Inventory Status: This product contains one or more chemicals currently not on the Canadian Domestic Substance List.

Effective Date: 12/3/02

European Inventory Status (EINECS): This product contains only chemicals that are currently listed on the European Inventory of Existing Commercial Chemical Substances (EINECS).

Japanese Inventory Status: This product contains one or more chemicals currently not on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

State Regulations:

California Proposition 65: The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: inhibitor (HQ, MEHQ, etc)

Common Name: inhibitor (HQ, MEHQ, etc)

CAS Number: la1068-01

Percent in Composition: 0.0001 - 0.001 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm.

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Acrylate esters

CAS Number: Confidential

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: 2-Propanol, 1-methoxy -, acetate

Common Name: Propylene Glycol Monomethyl Ether Acetate

CAS Number: 108-65-6

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Carbon Black

CAS Number: 1333-86-4

Comment: Hazardous Substance

Chemical Name: Paint additive

CAS Number: Confidential

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Acetic acid, butyl ester

Common Name: n-Butyl Acetate

CAS Number: 123-86-4

Comment: Environmental Hazardous Substance

16. OTHER INFORMATION

MSDS No:	60876
Reason Issued:	update system
Approved By:	Matthew Austin
Title:	EH&S Chemist
Approved Date:	10/28/98
Supersedes Date:	01/25/01

Effective Date: 12/3/02**Other Information:** L/M Codes: QL0597-QR CA3 (Q10020033)
Material Code: FPC3356

Disclaimer: The following supercedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.