

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MPFX Pro-Release

HMIS CODES: H F R P

PRODUCT CODE: MPFX Pro-Release

2 3 0 K

===== **SECTION I – MANUFACTURE IDENTIFICATION** =====

MANUFACTURER’S NAME: MOTION PICTURE F/X COMPANY

DATE REVISED: 08-01-10

ADDRESS: 2923 THORNTON AVE BURBANK, CA 91504

REASON REVISED: UPDATE

EMERGENCY PHONE:

NAME OF PREPARER: J. COLBERT

INFORMATION PHONE: 818-563-2366

===== **SECTION II – HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE	WEIGHT	
		OSHA PEL	AGGIH TLV	OTHER	mm Hg @ TEMP	PERCENT
SOLVENT NAPHTHA (PETROLEUM) LIGHT ALPHATIC	64742-89-8	100 ppm	400 ppm		144.0 @ 68 F	40
HEPTANE	142-82-5	400 ppm	400 ppm		40.0 @ 68 F	20
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT	64742-49-0		500 ppm		138.0 @ 68 F	15
*HEXANE	110-54-3	50 ppm	50 ppm		140.0 @ 68 F	14
*CYCLOHEXANE	110-82-7		300 ppm	300 ppm	77.0 @ 68 F	2

TWA

*Indicates toxic chemical (s) subject to the reporting requirements of section 313 of title iii and of 40 CFR 372.

WARNING THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

===== **SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING RANGE: 148 to 209 Deg F

SPECIFIC GRAVITY (H2O=1): 0.7

EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR

COATING V.O.C. : 5.54 LB/GL (664 GRAMS/LITER)

MATERIAL V.O.C. : 5.54 LB/GL (664 GRAMS/LITER)

SOLUBILITY IN WATER: NIL

APPEARANCE AND ODOR: LOW VISCOSITY LIQUID WITH MILD NON-RESIDUAL ORDER

===== SECTION IV – FIRE AND EXPLOSION HAZARD AREA =====

FLASH POINT: - 10 Deg F**METHOD USED:** TCC**FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER:** 1.0% **UPPER:** 8.4%**EXTINGUISHING MEDIA:** FOAM, CO2, DRY CHEMICAL, WATER FOG**SPECIAL FIREFIGHTING PROCEDURES**

Self-contained breathing apparatus and full protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS

Volatile solvent constituent can readily form explosive or flammable mixtures in air. Vapors can flow along surfaces to distant ignition sources and flash back.

===== SECTION V – REACTIVITY DATA =====

INHALATION HEALTH RISK AND SYMPTOMS OF EXPOSURE

May cause irritation of upper respiratory tract. Excessive exposure may cause anesthetic or narcotic effects (headache, dizziness, drowsiness ect.)

SKIN AND EYE CONTACT HEALTH RISK AND SYMPTOMS OF EXPOSURE

SKIN- Prolonged or repeated exposure may result in drying of the skin which can cause skin irritation or dermatitis.

EYES- Liquid or high vapor concentrations can be severely irritating to eyes.

SKIN ABSORTION HEALTH RISK AND SYMPTOMS OF EXPOSURE

May be irritating. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE

Moderate CNS depression may be shown by giddiness, headache, dizziness and nausea. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs, which can cause severe lung damage. Aspiration pneumomitis may be evidenced by coughing and cyanosis.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eye: May cause irritation with tearing.

Skin: May cause skin irritation and dermatitis.

Ingestion: May cause irritation and corrosion on the mouth and stomach tissue.

Inhalation: May cause irritation to upper respiratory tract and at higher concentrations narcosis or CNS depression.

CARCINOGENICITY: NTP? NO **IRAC MONOGRAPHS?** NO **OSHA REGULATED?** NO

THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFFECTS OR OTHER REPRODUCTIVE HARM.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Skin contact may aggravate an existing dermatitis. Preexisting eye and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

Eye: Immediately irrigate with flowing water for 15 minutes. Get medical attention.

Skin: Wash off in flowing water or shower. If irritation persists seek medical attention.

Ingestion: Do not induce vomiting. If vomiting should occur spontaneously keep victims head below knees to prevent aspiration into the lungs. Seek immediate medical attention.

Inhalation: Remove to fresh air. Restore breathing, if required. Get medical attention.

===== SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE =====**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Handle as a flammable liquid. Remove all ignition sources. Soak up wet material on a non-combustible absorbent and place in a closed metal container.

WASTE DISPOSAL METHOD

Dispose of in accordance with all local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool, well ventilated area away from any ignition sources and strong oxidizing agents. Keep containers tightly closed when not in use. Do not transfer to plastic containers.

OTHER PRECAUTIONS

Ground and bond metal containers when not in use. No smoking in area of use or storage. Use only non-sparking tools near wet adhesive or solvent vapors. Solvent vapor is much heavier than air and can collect in dangerous concentration in floor drain or low areas.

===== SECTION VIII – CONTROL MEASURES =====**RESPIRATORY PROTECTION**

Atmospheric levels should be maintained below the exposure guideline. Use an approved, full-face, supplied air respirator or NIOSH approved positive pressure, self-contained breathing apparatus if these levels are exceeded.

VENTILATION

Mechanical ventilation and/or local exhaust, sufficient in pattern and volume, to meet TLV requirements and prevent explosive concentrations of solvent vapors.

PROTECTIVE GLOVES

Use Neoprene, vinyl or nitrile rubber gloves.

EYE PROTECTION

Use safety glasses or chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye wash fountain or bottles. Solvent insoluble barrier hand cream

WORK/HYGIENIC PRACTICES

Remove contaminated clothing. Wash skin and launder clothing before use.

===== **SECTION IX – DISCLAIMER** =====

ALL INFORMATION IS BASED UPON DATA FROM MFG'S AND/OR TECHNICAL SOURCE, & IS BELIEVED TO BE ACCURATE. CONDITIONS OF USE ARE BEYOND OUR CONTROL & THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN CONDITIONS TO DETERMINE SUITABILITY FOR THEIR PURPOSE, & THEY ASSUME ALL RISK OF USE, HANDLING, & DISPOSAL, OR FROM USE OF INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HERE IN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH OTHER MATERIAL OR IN ANY OTHER PROCESS.

ADDENDUM TO MSDS

INTENTIONAL MISUSE BY DELIBERATE INHALATION OF **TOLUEN** HAS BEEN ASSOCIATED WITH LIVER, KIDNEY, AND BRAIN DAMAGE IN JUMANS. OVEREXPOSURE TO **TOLUNEN**HAS BEEN FOUND TO CAUSE LIVER, KIDNEY, NASAL, AND BRAIN DAMAGE IN LABORATORY ANIMALS. REPEATED OVEREXPOSURE TO HIGH VAPOR CONCENTRATIONS (1000 ppm) OF **N-HEXANE** CAN CAUSE IRREVERSIBLE NERVE DAMAGE. THIS NEUROTOXICITY CAN BE ENHANCED BY THE PRESENCE OF **METHYL ETHYL KETONE**.