Facsimile

	This product produces a mix of semi liquid consistency and is suitable for pouring into component cavities or onto a surface which has been suitably dammed with the plasticine provided in the kit. When set Facsimile provides an exact hard replica of the form, size and surface finish of the original component The resulting cast can be measured with standard contact type measuring tools such as micrometers, vernier calipers and surface measuring machines It also provides excellent images from profile and surface projection
--	--

Packed Weight and Dimensions

Code	Description	Weight g	W mm	H mm	L mm
52-016-000	Facsimile 1lb Kit	1120	140	125	260
52-016-003	Facsimile 3lb Kit	2275	135	175	270

	Mix time	1 minute
	Working time	6-10 minutes
	Deformation	None
	Strength	Unbreakable plastic
facsimile facsimile	Humidity	No effect
acsimit and Land	Molten metal	Up to 350°F
	Surface	Scratch resistant
	Colour	Blue
	Code	Description / Size
	52-016-000	Facsimile 1Ib Kit
Kit #16000	52-016-003	Facsimile 3Ib Kit

FACSIMILE: Instructions for Use:

Preparing the original prior to applying the Facsimile mixture (obtaining separation).

Cover the surface by applying a generous amount of Flexbar Release Agent as supplied with each kit. Use a camel-hair brush, swab, or lint-free cloth. Dam off the original with molding clay, making areas not wanted and undercuts tool. Use release agent on corners, and around bends just in case the applied mixture runs over the edge.

RELEASE AGENT:

When the substrate (specimen) is metal:

• If the metal is "Bone Dry" the Facsimile mixture will cure and bond onto the metal. This may be advantageous in certain applications, such as fixturing or tooling usage.

• If the metal has Release Agent covering the entire area, the cured Facsimile will release from the original. OTHER RELEASE AGENTS:

Since the chemical composition and metallurgical structure of metals varies a good deal, users of Facsimile often use other substances which work best on the particular substrate. E.G. Petroleum Jelly (Vasoline), - light grease - 3 in 1 oil, vegetable oil - soap solution - transmission fluid - lard - spray-on furniture polish (Pledge) - Polymer car finish (Armor All) etc.

PUTTING IT IN THE FREEZER: If by accident the replica does not separate from the mold, put it in the freezer and separation will occur.

SEPARATION FROM PLASTIC PARTS:

The Facsimile mixture when placed into or onto a plastic substrate will:

- (Type A) Separate itself easily from plastic even without Release Agent.
- (Type B) Bond itself to the plastic.

Non-stick plastics (Type A) include: Polyethylene, Nylon, Teflon, Delrin and Rubber. If you are not certain, use a scrap piece and experiment using only a small glob of Facsimile mixture.

Plastics which will stick (Type B) include: Acrylics, Acetates, Vinyls, PVCS, Styrenes, Plexiglass, ABS, Fiberglass, CFC's and some others. However, There is a way out! To easily separate replicas from plastic parts which normally stick, use Epoxy *Parfilm*, Flexbar Order No. 16136 (18 ounce spray can)(see page 13).

Copyright: Linear Tools 2010

Facsimile

MIXING FACSIMILE:

The viscosity of Facsimile is adjustable; the more liquid used, the thinner the mixture and vice versa. There is not a fixed ratio of powder to liquid and this depends a good deal upon the application. However, the more powder that can be tolerated in the mixture, the more accurate is the dimensional transfer. If you are a first-time user, it is advisable to experiment with a few different ratios.

MAKING THE MIXTURE:

1. Scoop powder into one graduated cup.

2. Pour liquid into a second cup.

3. Pour the powder into the liquid.

4. Use the wooden spatula and slowly stir for about 60 seconds. If it looks like the mixture is too thick, you still have time to add a bit more of liquid and re-stir. If too thin, you can add more powder and re-stir.

5. (Optional) Turning the cup 60° and rotating the cup in the hands for 10 seconds or so will remove air which may be trapped in the mixture. This will tend to eliminate "Voids" within the cured replica.

6. Examples of Ratios:

3 to 1

This means, for example that you put 30cc of powder in cup #1 and 10cc of liquid in cup #2. The cups supplied in each Facsimile Kit are "Graduated". Cups can be ordered separately (See back cover).

OWDER	+	LIQUID		RESULTING VISCOSITY
3		aloggi 1 ant et fin	an statet = card	Thin
4		1	=	Medium
5		1		Thick

7. CURE TIME: AT 68°-70° (Room Temperature), in most environments, Facsimile will cure in about 10 minutes. After 6 minutes, while the replica may appear "Hard", upon touching it you will observe that is still quite warm and thereafter it cools down very rapidly. Removal when still warm will distort the geometry so wait until it is cold. 8. Increasing work time and cure time:

Many users of Facsimile cannot tolerate the short cure time. In certain situations - this is easily solved as follows: Keep the Facsimile liquid in cold place, such as a refrigerator. Curetime will be increased to 30 to 40 minutes which of course also provides more "Work Time".

DAMMING OFF FACSIMILE:

Various objects can be useful. Keep these on hand or collect them in a box.

: Modeling Clay: sheets of non-stick plastic: Plaster of Paris.

: Plastic Caps: Rubber Plugs: RTV rubber or even better Flexbar REPRORUBBER.

The REPRORUBBER "DAM" will exactly fit the configuration of the area being dammed off and it will constantly keep its shape and tolerance so that the same dam can be used over and over again to make additional replicas. 9. Applying Facsimile in *Putty Form:*

Use A High Powder to liquid ratio. Wait until it gets pasty while covering your hands with oil or petroleum jelly. This is so that the Facsimile putty will not stick to your hands. Pry the putty out with the wooden stick and scoop it into your oiled hands: roll it into a ball and then push it into the test piece. Press several times for it to take shape. Wait for "Full Cure" and then remove it . AVOID TOUCHING FACSIMILE MIXTURE, as follows: spread or put putty on thin plastic sheeting such as a "Baggie", poly bag or piece of wax paper then press it into or onto the test piece. Important: Do not remove plastic sheet until after the Facsimile mixture has cured fully.

Soak in Acetone or Ethylene Dichloride

11. USING A SYRINGE:

Many types of plastic syringes are readily available including Flexbar Monoject Syringes (see page 15). The Facsimile mixture can be poured into a Polyethylene Syringe body; then insert the plunger and dispense under very controlled conditions. The cured Facsimile residue will push out easily to that the same syringe can be used over and over again.

12. HINTS FOR REMOVAL:

a. Many shapes are easy to remove. Use a thin knife edge to pluck up the edge of the replica and it will pop off. Often times, rapping the set up with a wooden mallet will dislodge the specimen without harming either the original test piece or the duplicate, for more difficult configurations, sink a handle into the potted area. E.G., use a hex bolt or headed machine screw (head in always).

b. If the original has one or more undercuts, so that there is no draft, then fill into the undercut with clay or similar material.

Facsimile

Directions for Mixing and Pouring:

ACCURATE REPRODUCTION IN MINUTES

NOTE: Temperature and humidity conditions can affect mixing ratio but you can easily achieve the best ratio with a couple of trial mixes. Record the best.

EXAMPLE GIVEN BELOW IS ONLY FOR "THIN VISCOSITY". SEE PAGE 5 FOR OTHER MIX RATIOS.



Cured Facsimile has a density of 1.1 so that small amount goes a long way.

Our mixing cups are polyethylene or polypropylene so that residue will peel out easily; thus mixing cups are reusable. Disposable cups are also included.

#16000, one pound kit yields 20.9 cubic inches of solid (cured) material.#16003, three pound kit yields 62 cubic inches of solid (cured) material.#16025, twenty five pound kit yields 518 cubic inches of solid (cured) material.

Facsimile



Laboratory reports on FACSIMILE specimens show surface roughness measurements of 0.1 to 2,000 microinches are exact duplicates of the material tested, measurable on surface testing instruments of both electronic and optical types.

THE USE OF RAPID CURING "FACSIMILE measure image" permits a method of duplicating roughness of areas not normally accessible to gaging and inspection instruments.

Permanent records can be kept of surface roughness of materials on objects which have been delivered.

Technical Data

A test submitted by E.I. DuPont DeNemour & Company to an independent test lab showed the following properties of "Facsimile".

	1	2	3
Diameter	0.805	0.799	0.805
Length	0.699	0.0699	0.700
Area	0.509	0.501	0.509
Breaking Load (lbs.)	7,780*	7,060*	7,200*
Compressive strength	15,280	14,090	14,140
	2	3	4
Width	0.188	0.189	0.192
Thickness	0.065	0.064	0.072
Area	0.0122	0.0121	0.0138
Ultimate Load (lbs.)	42.2	53	43.8
Ultimate Tensile (psi)	3,460	4,380	3,170
*1st deformation - sample	did not break		

END OF REPORT

TEMPERATURE RESISTANCE:

Under heat, Facsimile does break down which starts around 350°F. Users have bonded metals and springs using heat of up to 350° C. Thermal insulation can be increased by mixing in a normal amount of special powder e.g., rock wool.

SHRINK FACTORS:

A. Non confined - as around an air-foil section - excellent.

B. Confined casting of Facsimile. This will result in a very small amount of shrinkage. Therefore, dam off part of internal cavity with clay or pliable material. To improve close tolerance dimensional transfers:

- 1. Load a lot of powder into the mixture and push material into ring or form.
- 2. Cure (after pouring) in a pressure vessel at 15 p.s.i. A pressure cooker with an air valve will do.
- 3. Take a partial impression e.g. 60% of a hole diameter.

P.S. FACSIMILE, when cured, is sufficiently hard for use of a stylus following the edge of FACSIMILE template.

HARDNESS: ROCKWELL - M 90 (Comparable to an ABS Plastic) THIS IS A STANDARD FOR PLASTICS ONLY.

Facsimile



ANSWER: A SURFACE FINISH OF 0.1 MICROINCHES can be checked! Higher values will also replicate accurately.





II. Talysurf recording of FACSIMILE duplicate.

I. Talysurf recording of caliblock roughness master.

When you check surface roughness on original using stylus-type equipment, some surface damage will result from stylus and/or skid pressure but NEVER when you use FACSIMILE replica, which is identical to original.

Material Safety Data Sheets:

МАТЕ	RIAL SAFETY DATA SHEET Facsimile Liquid	Page 1
SECTION 1 - CH	EMICAL PRODUCT AND COMPANY IDENTIFICATION	
CHEMICAL NAME:	Promoted Methacrylate Monomer	
PRODUCT NAME:	F. P. Monomer, Self Cure	
TRADE NAME/PRODUCT CODE:	P 902 0000	
PRODUCT USE:	Organic Process Chemical	
MANUFACTURER: ADDRESS:	Flexbar Machine Corporation 250 Gibbs Road Islandia, NY 11749-2697	
24 HR. EMERGENCY TELEPHONE:	1-800-424-9300, Chemtrec	
FOR INFORMATION CALL:	1-631-582-8440 During Business Hours 1-610-497-9000, Then Press 6 At All Other Times	
PRINT DATE: 4/8/10 UPDA	TE: 4/6/10	
SECTION 2 -	COMPOSITION/INFORMATION ON INGREDIENTS	
ITEM CHEMICAL NAME 01 Methyl Methacrylate Monomer 02 N,N-Dimethyl-p-Toluidine	CAS NUMBER: WT/WT % 80-62-6 60.0-100. 99-97-8 0.1-1.	0

03	Benzopheno	ne		131-57-7	0.1-1.0	
04	Hydroquinon	e		123-31-9	40-80 ppm	
	ACG	IH	OSH	A	Company	
ITEM	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING	Recommendation	SKIN
01	100 ppm	NE	100 ppm	NE	100 ppm	NE
02	NE	NE	NE	NE	NE	NE
03	NE	NE	NE	NE	NE	NE
04	2 m/m ³	NE	2 m/m^3	NE	NE	NE

See Section 16 for Abbreviations.

Product: Promoted Monom	Code	e: P 902 0000	Page 2
	SECTION 3 - HA	ZARDS IDENTIFICATION	
EMERGENCY OVERVIEW			
		s, skin and respiratory tract.	
For Methacrylate:			
Acute Hazards:	Eyes:	May irritate.	
	Respiratory Tract:	May irritate.	
	Skin:	May cause rashes.	
	Symptoms:	Headaches, nausea, stagg	ering gait confusion
		drowsiness and unconscio	
Chronic Hazards:	Eves:	May cause eye corrosion	
	Liver and Kidneys:	May cause changes in live	r and kidney function or
		damage.	and handy fundation of
	Nervous System:	Repeated and prolonged of	ver exposure may cause
		permanent damage.	the expectate may eause
	Skin:	May cause allergic skin ras	shes
For Toluidine:	C.I.I.I.	may out to anorgio oran ra	51103.
Acute Hazards:	Skin Absorption:	Liquid is rapidly at	sorbed through skin.
		Absorption of this product	
		formation of methemoglob	
		concentration causes cyan	
		headache, dizziness, naus	
Chronic Hazards:			n (cyanosis) of skin, lips or
		fingernails give oxygen to l	breathe. No alcohol or physic
		exertion. Contact a physic	
For Benzophenone:	Eyes:	May irritate.	
	Skin:	May irritate.	
For Hydroquinone:	Eyes:	May irritate.	
	Skin:	May cause contact dermat	itis and poisoning
	Other Studies		caused no abnormalities in
	o nor o danco.	studies of blood and urine.	
CARCINOGENICITY:		Hydroquinone is listed as a	a suspect carcinogen by NTP
			en in this MSDS is for the dry
			nt of a liquid mixture. None of
			is material are listed by IARC
		NTP, OSHA, or ACGIH as	carcinogens.

Material Safety Data Sheets:

Product: Promoted Monon	lei	Code: P 902 0000	Page 3
	SECTI	ON 4 - FIRST AID MEASURES	
EMERGENCY AND FIRST	AID PROCEDURI	ES:	
INHALATION:		esh air. Get medical help if discomfort pe	ersists.
EYES:	Flush with wa	ater for 15 minutes, including under eyeli	ds.
SKIN:	Wash with so	ap and water.	
INGESTION:		out with water. Do not induce vomiting.	Call doctor if amount was
CLOTHING:	large.	abb b for a second	
TREATMENT:	Wash thoroug	ghly before reuse.	anishes a Manual Toron
INCATMENT.	burns or aller	ay. Provide oxygen and/or ventilation as gic reactions conventionally after decont	amination
	source of aller	gie redetions conventionally after decom	annination.
	SECTION	5 - FIRE FIGHTING MEASURES	
FLASH POINT:		10 °C , 51 °F	
FLAMMABLE LIMIT, AIR V	OL% LOWER:	2.12	
	UPPER:	12.5	
AUTOIGNITION TEMPERA	TURE:	435 °C, 815 °F	
EXTINGUISHER METHOD		Chemical foam, carbon dioxide, dry c	hemical.
FIRE AND EXPLOSION HA	ZARDS:	Vapors may travel to source of ignitio cause polymerization with rapid relea	n and flash back. Heat can
		rupture container explosively. (Sponta	
		occur on prolonged storage.)	incode porjinenzatori may
SPECIAL FIRE FIGHTING	PROCEDURES:	Wear self contained breathing appara	atus, and full protective dear
		Use water spray to cool containers.	and the proceeding gear.
EXPLOSION HAZARD:		Fight fire from protected location.	
SENSITIVE TO MECHANIC	AL IMPACT:	No.	
SENSITIVE TO STATIC DI	CHARGE.	Yes	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE:

Evacuate the area. Eliminate sources of ignition. Use selfcontained breathing apparatus and protective clothing. Dike and absorb with inert material. Transfer to proper containers for disposal, use non-sparking tools. Contaminated monomer may be unstable, add inhibitor to prevent polymerization. Keep spills and cleaning runoffs out of sewers and open bodies of water. Spills on porous surfaces can contaminate the groundwater.

Material Safety Data Sheets:

Product: Promoted Monomer	Code: P 902 0000	Page 4
SECT	ION 7- HANDLING AND STORAGE	
PRECAUTIONS FOR HANDLING:	Observe precautions found on the l use. Ground all metal containers w explosion-proof equipment.	
PRECAUTIONS FOR STORAGE:	Store in cool dry place away from h sunlight. Check inhibitor levels ever	eat, sparks, flame and direct y three months.
SECTION 8 - EXP	OSURE CONTROL/PERSONAL PROTE	CTION
VENTILATION:	Use good, local explosion-proof vervelocity of 100 ft/min (30 m/min) at Refer to Industrial Ventilation: <u>A Mapublished by the American Confere</u> Hygienists. Local exhaust ventilation contamination dispersion into the wisource.	point of monomer release. Ince of Governmental Industrial on is preferred since it prevents
RESPIRATORY PROTECTION:	Use self-contained breathing appar	atus when needed.
EYE PROTECTION:	Safety glasses or chemical splash g	goggles.
PROTECTIVE GLOVES:	Impervious, nitrile.	
OTHER PROTECTIVE EQUIPMENT:	Provide eyewash, safety shower an Protective creams should not be us used for ease of clean up.	
INDUSTRIAL HYGIENE PRACTICES:	Wash face and hands thoroughly and before eating, drinking, smokir	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: ODOR: pH: ODOR THRESHOLD: BOILING POINT: FREEZING POINT: VISCOSITY: SPECIFIC GRAVITY (H₂O=1): VAPOR PRESSURE: 29 mm Hg @ PERCENT VOLATILE W/W%: VAPOR DENSITY (AIR=1): EVAPORATION RATE (BuAc =1): SOLUBILITY IN WATER: COEFFICIENT OF WATER/OIL DISTRIBUTION: Clear, pale liquid. Acrid, fruity. ND ND 101 °C, 214 °F ND Like water 0.94 20 °C, 68 °F 99+ 3.5 @ 15.5 °C, 60 °F 3.0 Moderate, 1.6 gm/100 gm @ 20 °C, 68 °F ND

Facsimile Liquid

		Code: P 902 0000	Page 5
	SECTION 10) - STABILITY AND REA	ACTIVITY
CONDITIONS TO AVOID:		Temperatures above 2 oxidizing/reducing age and contamination.	21 °C, 70 °F, ignition sources, ents, peroxides, acids, alkalis, amines, aging
INCOMPATIBILITY (MATERIALS TO AVOID):		Reducing and oxidizing solvent properties and	g agents and UV light. Material has strong can soften paint and rubber.
HAZARDOUS DECOMPOSITIO	N PRODUCTS	: Mainly Oxides of Carbo	on when burned.
HAZARDOUS POLYMERIZATI	ON:	MAY OCCUR: X	WILL NOT OCCUR:
STABILITY:		UNSTABLE: X	STABLE:
	SECTION 11-	TOXICOLOGICAL PRO	OPERTIES
	GEOTION TI-	TOXICOLOGICAL PRO	SFERTIES
For Methyl Methacrylate: For Ethylene Glycol Dimethacry For Substituted Toluidine: For Benzophenone: For Hydroquinone:	late Monomer:	Nose, Liver and kidney None Listed. None listed. None Listed. Kidneys and eyes.	/5.
MUTAGENICITY DATA:	in the construction of		
For Methyl Methacrylate Monom Ovary Hamster Inhalation Rat Lymphocyte Mouse Uymphocyte Mouse Ovary Hamster For Hydroquinone: HeLa Cell Human Lymphocyte Mouse Oral Rat Intraperitoneal Mouse Oral Mouse	Cytogenetic An Cytogenetic An	alysis: in Mammalian Cells: say: id Exchange: NA Synthesis: est:	1600 mg/L. 4 mg/m ³ /16W. 704 mg/L. 500 mg/L. 1500 mg/L. 100 μ mol/L. 10 μ mol/L. 8 gm/kg. 220 mg/kg. 200 mg/kg.
Subcutaneous Mouse S. Typhimuriam Lymphocyte Human	Micronucleus T	est: ation without S9:	200 mg/kg. 240 mg/kg/6D-C. 2 μ mol/plate. 5 μ mol/L. 5 μ mol/L.

Facsimile Liquid

Product: Pro	moted Monomer	-	Code: P 902 0000	Page 6
	SEC	TION 11- TO	OXICOLOGICAL PROPERTIES CONTINUED)
REPRODUC	TIVE TOXICITY D	ATA:		
For Methacry				
	ation Rat	TCLo:	109 gm/m ³ /17M.	
	ation Rat	TCLo:	109 gm/m ³ /54M, 6-15 days of pregnanc	v
1	ation Rat	TCLo:	54mg/m ³ /24H, 8 weeks of pregnancy.	
	ation Rat	TCLO:	4480 mg/m ³ /2H, 6-18 days of pregnance	u .
	peritoneal Rat	TCLo:	405 mg/kg.	
	peritoneal Rat	TCLo:	801mg/kg.	
For Benzoph		1010.	oo mignig.	
Oral		TDLo:	45 mg/kg.	
For Hydroqui				
Oral		TDLo:	2500 mg/kg.	
	utaneous Rat	TDLo:	5 mg/kg.	
	utaneous Rat	TDLo:	5100 mg/kg.	
Cubo	aturicous i tut	I DLO.	o roo mging.	
TOXICITY D				
For Methacry		-		
	e Oral Rat	LD50:	7990 mg/kg.	
	e Dermal Rabbit	LD50:	35,500 mg/kg.	
	e Inhalation Rat	LC 50:	>12,500 to 16,500 ppm for 0.5 hours.	
	ation Human	TCLo:	125 ppm.	
	ation Human	TCLo:	60 mg/m ³ .	
Hum	an Patch Test:		Approximate one-third of subjects devel	
			site of application. Twenty percent show	wed sensitivity when tested
_	a second and		10 days later.	
For Dimethad				
	peritoneal Rat	LD50:	2880 mg/kg.	
	Mouse	LD50:	2000 mg/m ³ .	
Oral		LD50:	3300 mg/m ³ .	
For Toluidine				
	peritoneal Mouse	LD50:	212 mg/kg.	
For Benzoph				
Oral	C. STEP.	TDLo:	45 gm/kg.	
Oral		TDLo:	54 gm/kg.	
	peritoneal Mouse	LD50:	300 mg/kg.	
Oral		LD50:	7400mg/kg.	
For Hydroqui		1.5	70.170	
	an, Adult	LD:	70-170 mg/kg.	
	an, Child	LD:	2.4-4.0 mg/kg.	
	e Oral, Rat	LD50:	400 mg/kg.	
	e Oral, Mouse	LD50:	100-200 mg/kg.	
	nal, Guinea Pig	LD50:	>1000 mg/kg.	
Eyei	rritation, Rabbit		Moderate erythema clearing by day 14.	

Product: Promoted Monomer Code: P 90	2 0000 Page 7
SECTION 12 - ECOLOGI	
AQUATIC TOXICITY: For Methacrylate: Flathead Minnows TLm _{96H} : 100-1000 p Goldfish TLm _{24H} : Bluegills TLm _{24H} : For Hydroquinone: Flathead Minnows LC _{50-96H} : Oldfish LC _{50-48H} : Olden Orfe LC _{50-48H} : Golden Orfe LC _{50-48H} : Water Flea LC _{50-48H} :	/L. 3 mg/L.
SECTION 13 - DISPOSAL	CONSIDERATIONS
under RCR/ pounds (40 after additio State, and L DISPOSAL OF EMPTY CONTAINERS: Reuse of er Employees	rded it is listed as a hazardous waste by the EPA A U-162 with the reportable quantity (RQ) of 1000 CFR Part 302). Incinerate liquid and diking material n of excess inhibitor, in accordance with Federal, local regulations. http://www.containers.commended. should be advised of the potential hazards, due to nmable material, associated with empty containers. It
is our policy dispose of a	to discourage the reuse of empty containers and to ill empty containers properly, in accordance with te and Local regulations.
SECTION 14 - TRAN	ISPORTATION
DOT/UN SHIPPING NAME:METHYL METDOT/UN CLASS:3NA/UN NUMBER:UN 1247PACKING GROUP:PACKING GNAERG:129PLABEL:FlammableNMFC ITEM #:42650SCHEDULE B:2916.14.202IMDG CLASS:3.2IMDG PG:3259CERLA RQ:For Methacr For Hydrogu	Liquid 20 ylate: 1000 lb.

Produc	ct: Promoted Monome	er	Code: P 902	2 0000		Page 8
		SECTION	15 - REGULATO		TION	
01 02 03 04	TSCA X X X X	EINECS X X X X	CERCLA X	313 X X	CAA X	RCRA U 162
TEM 01 04	CWA	PA X	NJ X	CA 65	WHMIS X X	
SCA:	FOR USE IN FDA R		RODUCTS ONLY			
CANAI the MS	DIAN WHMIS: This p SDS contains all the inf	oroduct has beer formation require	n classified in acc ed by the CPR.	ordance with t	he hazardous crit	eria of the CPR and
		SECT	ON 16 - OTHER	INFORMATIC	N	
	RDOUS MATERIAL IE HEALTH: FLAMMABILITY: REACTIVITY: PERSONAL PROTE NAL FIRE PROTECT HEALTH:	CTIVE EQUIPM	2 3 2 IENT: Glov ION (NFPA) HA 2 2	es and Safety		iical Splash Goggles. G:
	FLAMMABILITY: REACTIVITY:		3 2			
ABBRI	EVIATIONS:					
NA NE ppm mg gm kg mm	Not Applicable Not Established parts per million Milligram Gram Kilogram Millimeter		ND CPR G L mol µ	Not Detern Controlled Gallon Liter Mole Micro	nined Products Regulat	ion
LC TC BOD Lo TLm	Lethal Concentration Toxic Concentration Biological Oxygen De Lowest Threshold Limit		LD TD COE ThO			ł
	Hours		M	Months		

Facsimile Liquid

Material Safety Data Sheets:

Product: Pron	noted Monomer	Code: P 902 0000	Page 9
	SECTIO	N 16 - OTHER INFORMATION	
		t	
Prepared By:	Louis A. Value	Health, Safety and Env	ironment
Reviewed By:	Bend D. Cuch	Technical Review	
Reviewed By:	Jonathan adla	President	
Issue Date:	5/31/01		
THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), THE COMMONWEALTH OF PENNSYLVANIA REGULATIONS (TITLE 34. CHAPTERS 301-323) AND CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE			

CFR 1910.1200), THE COMMONWEALTH OF PENNSYLVANIA REGULATIONS (TITLE 34. CHAPTERS 301-323) AND CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.

Facsimile Powder

Material Safety Data Sheets:

MATERIAL SAFETY DATA SHEET Facsimile Powder Page 1						
	SECTION I - PROI		ENTIFICAT	ΓΙΟΝ		
CHEMICAL NAME:	Blended, Pigmented	, Filled, A	crylic Poly	mers		
PRODUCT NAME:	F. P. Tray Polymer, #	#64 Blue,	Shade #20	6151		
<u>F</u>	OR USE IN FDA REG	ULATED	PRODUC	TS ONLY		
DOT/UN SHIPPING NAME:				IULAR, NOIBN E B 3906.90.6		
CAS REG. NO .:	NE	TRADE	NAME/PR	RODUCT COD	DE:	M 044 5066
FORMULA:	Proprietary Formulat	ion				
MANUFACTURER: ADDRESS:	Flexbar Machine Cor 250 Gibbs Road Islandia, NY 11749-2					
FOR INFORMATION CALL:	1-631-582-8440 During Business Hours 1-610-497-9000, Then Press 6 At All Other Times					
FOR EMERGENCY CALL:	1-800-424-9300, Che	emtrec				
PRINT DATE: 4/08/10	UPDATE : 04/0	8/10			PR	EPARED BY: CJB
SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES						
HAZARDOUS COMPONENT Particulates NOC Residual Monomers Calcium Carbonate Benzoyl Peroxide Mineral Pigment	CAS REG. NO. NE NA 471-34-1 94-36-0 57455-37-5	% <99 < 1 <50 < 2 < 5	TLV 10 NA 10 5 10	(UNITS) mg/m ³ mg/m ³ mg/m ³ mg/m ³	PEL 15 NA 15 5	mg/m ³ mg/m ³ mg/m ³

The decomposition product Ethyl Acrylate is known to the State of California as a substance which causes cancer.

Facsimile Powder

PRODUCT: Type 044 Polym	er	CODE: M 044 5066	PAGE 2	
	SECTION III	- PHYSICAL DATA		
BOILING POINT:	NA	SPECIFIC GRAVITY (H ₂ O=1):	1.185	
VAPOR PRESSURE:	NA	PERCENT VOLATILE W/W%:	< 5	
VAPOR DENSITY (AIR=1):	NA .	EVAPORATION RATE (=1):	NA	
SOLUBILITY IN WATER:		Insoluble.		
APPEARANCE AND ODOR:		Fine blue powder. Faint odor in bul	k.	
SE	CTION IV - FIRE AND	EXPLOSION HAZARD DATA		
FLASH POINT:	304 °C 580 °F	FLAMMABLE LIMIT, AIR VOL% LO	OWER: NA JPPER: NA	
AUTOIGNITION TEMPERAT	URE:	NE		
EXTINGUISHER METHOD:		Water, carbon dioxide, dry chemica	I.	
SPECIAL FIRE FIGHTING PROCEDURES: Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air, producing a fire hazard and possible explosion hazard if exposed to ignition source.				
UNUSUAL FIRE AND EXPLOSION HAZARDS: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Firefighters should wear self-contained breathing apparatus.				
	SECTION V - HE	ALTH HAZARD DATA		
PRIMARY ROUTES OF ENT	RY: Eves or skin(no absorption); inhalation of dusts.		
CARCINOGENICITY: Ethyl Acrylate, a prod	uct of combustion, is I	isted as a suspect carcinogen by IAR his material are listed by IARC, NTP,		
TARGET ORGANS: For Polymer: None Listed. For decomposition products: Methyl Methacrylate Monomer: Nose, Liver and kidneys, Ethyl Acrylate Monomer: None Available. For Calcium Carbonate: None Listed. For Benzoyl Peroxide: None Listed. For Mineral Pigment: None Listed.				

Facsimile Powder

Material Safety Data Sheets:

PRODUCT: Type 044 Polymer CODE: M 044 5066 PAGE 3
SECTION V - HEALTH HAZARD DATA CONTINUED

THRESHOLD LIMIT VALUE (TLV):

For Polymer: NE. For decomposition products, Methyl Methacrylate Monomer: 100 ppm, Ethyl Acrylate Monomer: None Available. For Calcium Carbonate: 10 mg/m³. For Benzoyl Peroxide: 5 mg/m³. For Mineral Pigment: 10 mg/m³.

PERMISSIBLE EXPOSURE LIMIT (PEL):

For polymer: NE. For decomposition products, Methyl Methacrylate Monomer: 100 ppm, Ethyl Acrylate Monomer: None Available. For Calcium Carbonate: 15 mg/m³. For Benzoyl Peroxide: 5 mg/m³. For Mineral Pigment: 15 mg/m³.

TOXICITY DATA:

For Polymer: None Listed. RTECS: Not Listed. TSCA: Listed.

For decomposition products, Methyl Methacrylate Monomer: LD_{50} Acute Oral Rat: 7990 mg/kg. LD_{50} Acute Dermal Rabbit: 35,500 mg/kg. LC_{50} Acute Inhalation Rat: >12,500 to 16,500 ppm for 0.5 hours. TC_{Lo} Inhalation Human: 125 ppm. TC_{Lo} Inhalation Human: 60 mg/m³. Human Patch Test: Approximate one-third of subjects developed mild redness at the site of application. Twenty percent showed sensitivity when tested 10 days later.

Reproductive Effects: TC_{Lo} Inhalation Rat: 109 gm/m³/54 minutes, 6-15 days of pregnancy. TC_{Lo} Inhalation Rat: 54 mg/m³/24 hours, 8 weeks of pregnancy. TC_{Lo} Inhalation Rat: 4480 mg/m³/2 hours, 6-18 days of pregnancy. RTECS: Listed. TSCA: Listed. EINECS: Listed. Ethyl Acrylate: Inhalation LC_{Lo}, Guinea Pig: 1204 ppm/7H. Inhalation TC_{Lo}, human: 50 ppm.

Inhalation LC_{Lo}, Mouse: 25 mg/m³/2H. Inhalation LC₅₀, Rat: 2180 ppm/4H. Inhalation LC_{Lo}, Rabbit: 1204 ppm/7H. Intraperitoneal LD₅₀, Mouse: 599 mg/kg. Intraperitoneal LD₅₀, Rat: 450 mg/kg. Oral LD₅₀, Mouse: 1779 mg/kg. Oral LD₅₀, Rat: 800 mg/kg. Oral LD₅₀, Rabbit: 400 mg/kg. Dermal LD_{Lo}, rat: 1800 mg/kg. Dermal LD₅₀, Rabbit: 1834 mg/kg. RTECS: Listed. TSCA: Listed. For Calcium Carbonate: LD₅₀ Oral Rat: 6450 mg/kg. RTECS: Listed. TSCA: Listed. For Benzoyl Peroxide: LD_{Lo} Intraperitoneal Mouse: 250 mg/kg. LD₅₀ Oral Rat: 7710 mg/kg. RTECS: Listed. TSCA: Listed.

For Mineral Pigment: LD₅₀ Oral Mouse: > 10,000 mg/kg. LD₅₀ Oral Rat: > 10,000 mg/kg. RTECS: Not Listed. TSCA: Listed.

Facsimile Powder

Material Safety Data Sheets:

PRODUCT: Type 044 Polymer

CODE: M 044 5066

PAGE 4

SECTION V - HEALTH HAZARD DATA CONTINUED

EFFECTS OF OVER EXPOSURE:

For Polymer: OSHA classifies this material as Particulates, Not Otherwise Classified. Eyes, Skin and Respiratory Tract may be irritated by gross overexposure to Particulates, Not Otherwise Classified, no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

For decomposition products, Methyl Methacrylate Monomer: Liquid or high vapor concentration can irritate eyes, respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness. Repeated and prolonged over exposure may cause permanent brain and nervous system damage, allergic skin rashes, eye corrosion and permanent injury, as well as changes in liver and kidney function or damage.

Ethyl Acrylate: Inhalation of vapor or mist is harmful and can cause severe irritation of nose, throat and lungs. It may cause permanent, irreversible eye damage. It can be absorbed through the skin and cause skin sensitization. It is corrosive to the skin. Prolonged or repeated exposure can cause the allergic skin reaction, kidney damage and liver damage.

For Calcium Carbonate: Inhalation of dust may irritate the nose, throat, and respiratory tract, cause sneezing and coughing. Dust may irritate the eyes. Prolonged or repeated skin contact with the dust may irritate the skin. May aggravate pre-existing eye, skin or respiratory disorders. For Benzoyl Peroxide: Prolonged skin contact may cause skin irritation. May cause eye irritation or damage. Dust may cause irritation of the nose, throat, and lungs. May produce muscular weakness upon ingestion.

For Mineral Pigment: None expected, but inhalation of large quantities of dust may cause irritation of the respiratory tract. Ingestion of large quantities may liberate sulfur dioxide.

For Dialkyl Phthalate: Inhalation of vapors or mists may cause irritation the respiratory tract and nausea. Ingestion of excessive quantities may cause nausea, abdominal pain and diarrhea. May cause irritation, burning, tearing and redness of the eyes. Prolonged or repeated contact may cause redness and burning of the skin.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:	Remove to fresh air. Get medical help if discomfort persists.
EYES:	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
SKIN:	Wash with soap and water. Get medical help if discomfort persists.
INGESTION:	Rinse mouth out with water. Call doctor if amount was large.
CLOTHING:	Wash thoroughly before reuse.
TREATMENT:	Treat symptoms after thorough decontamination.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTIVE EQUIPMENT:	Gloves and Safety Glasses or Chemical Splash Goggles.

Facsimile Powder

Material Safety Data Sheets:

PRODUCT: Type 044 Polymer	CODE: M 044 5066	PAGE 5	
SECTION VI - REACTIVITY DATA			
STABILITY:	UNSTABLE:	STABLE: X	
CONDITIONS TO AVOID:	Heating above 240 °C	, 464 °F.	
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong oxidizing agent	ts.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Acrylate and Methacry Carbon.	late monomers, and Oxides of	
HAZARDOUS POLYMERIZATION:	MAY OCCUR:	WILL NOT OCCUR: X	
CONDITIONS TO AVOID:	NA		

SECTION VII - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

ENVIRONMENTAL EFFECTS:

AQUATIC TOXICITY:

For decomposition product, Methyl Methacrylate Monomer: Estimate of 96 hours median Threshold limit(TLm₉₆): 100-1000 ppm. Flathead minnows and goldfish TLm₂₄: 420 ppm. Bluegills TLm₂₄: 368 ppm. For Mineral Pigment: LC₅₀ Rainbow Trout: > 32,000 mg/l.

For Dialkyl Phthalate: Flathead minnow LC50-96hr: 1-10 µl/L; Water Flea LC50-96hr: 1-10 µl/L.

ECOLOGICAL TOXICITY:

For Benzoyl Peroxide: Ecological Toxicity is not known.

OXYGEN DEMAND:

For Dialkyl Phthalate: ThOD: 2.24 g/g; COD: 1.71 g/g; BOD: 0.34-0.43 g/g.

PLANT EFFECTS:

For Dialkyl Phthalate: No adverse effects on germination or seedlings.

WASTE DISPOSAL METHOD:

Contains a Dialkyl Phthalate, contaminated product may be a RCRA/OSHA hazardous waste (40 CFR Part 261 and 29 CFR Part 1910). Incinerate material in accordance with Federal, State, and Local regulations.

Facsimile Powder

PRODUCT: Type 044 Polymer	CODE: M 044 5066	PAGE 6
	PECIAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION (SPECIFY Use type for Particulates Not Other		
VENTILATION: Use good local exhaust at processi polishers.	ng equipment, including buffers, sande	ers, grinders and
PROTECTIVE GLOVES:	If hot plastic is handled.	
EYE PROTECTION:	Safety glasses or chemical s	plash goggles.
OTHER PROTECTIVE CLOTHING OR EQ High temperature processing equip		
SECTION	IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDI Store in cool dry place. Keep conta	-ING AND STORING: ainer closed to prevent water absorptio	n and contamination.
OTHER PRECAUTIONS: Wash face and hands thoroughly with soap applying cosmetics.	o and water after use and before eating	g, drinking, smoking or

Facsimile Powder

Material Safety Data Sheets:

PRODUCT: Type 044 Polymer	CODE: M 044 5066	PAGE 7		
SECTION X - ADDITIONAL INFORMATION				
Prepared By: Jours A. Valech	Health, Safety and Environment			
Reviewed By: Bund D. Cuch	Technical Review			
Reviewed By:	President			
Issue Date: <u>5/31/01</u>				
THIS MATERIAL SAFETY DATA SHEET IS PREP REGULATIONS (29 CFR 1910.1200) AND THE CO (TITLE 34. CHAPTERS 301-323) ANY APPLICABI CONSULTED. THE ABOVE INFORMATION MAY BY COMPONENT SUPPLIERS AND IS BELIEVED HOWEVER, NO WARRANTY OF MERCHANTABI WARRANTY IS EXPRESSED OR IS TO BE IMPLI THE RESULTS TO BE OBTAINED FROM THE US CONNECTED WITH SUCH USE. SINCE THE INF UNDER CONDITIONS BEYOND OUR CONTROL SINCE DATA MADE AVAILABLE SUBSEQUENT	OMMONWEALTH OF PENNSYLVAN LE STATE AND LOCAL REGULATIO BE BASED IN PART ON INFORMAT O TO BE CORRECT AS OF THE DAT LITY, FITNESS FOR ANY USE, OR A ED REGARDING THE ACCURACY O SE OF THE MATERIAL, OR THE HAZ ORMATION CONTAINED HEREIN M AND WITH WHICH WE MAY BE UNIT	IA REGULATIONS NS SHOULD BE TON PROVIDED TE HEREOF. ANY OTHER DF THESE DATA, ZARDS MAY BE APPLIED FAMILIAR, AND		

MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE

ASSUME THE RISK OF HIS/HER USE THEREOF.

Facsimile Separator

Material Safety Data Sheets:

MATERIAL SAFETY DATA SHEET FACSIMILE SEPARATOR

Section 1. Chemical Product and Company Identification

PRODUCT NAME:	Facsimile Separator
CHEMICAL FAMILY:	Potassium salt of oleic acid
FORMULA:	Mixture
CAS NUMBER:	Mixture
DATE PREPARED:	5/04/08

Information Telephone:800-879-757524-Hour Emergency Telephone:800-424-9300 (Chemtrec)

MANUFACTURER:	Flexbar Machine Corporation
ADDRESS:	250 Gibbs Road, Islandia, NY 11749

Section 2. Composition / Information on Ingredients

MATERIAL	CAS NUMBER	AMOUNT
Water		70-90 %
Potassium Oleate	143-18-0	10-20 %
Propylene Glycol	57-55-6	2-5 %

Section 3.

Hazards Identification

POTENTIAL HEALTH EFFECTS: INHALATION None expected EYE: May cause irritation. SKIN: Prolonged contact may cause irritation

INGESTION: None determined

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

Section 4. First Aid Measures

INHALATION: Not applicable EYE CONTACT: Promptly flush with water, holding the eyelids apart for 15 minutes. Seek medical attention. SKIN CONTACT: Wash contaminated skin with mild soap and water. INGESTION: Treat as a soap ingestion. Get medical attention.. NOTES TO PHYSICIAN (INCLUDING ANTIDOTES): Treat symptomatically.

Facsimile Separator

Material Safety Data Sheets:

Section 5. Fire Fighting Measures

 FLASH POINT (METHOD USED):

 None

 FLAMMABLE LIMITS IN AIR (% BY VOLUME)

 LEL: N/A

 UEL: N/A

 EXTINGUISHING MEDIA:

 Water Spray, Carbon Dioxide, Foam, or Dry Chemical

 SPECIAL FIRE FIGHTING PROCEDURES:

 Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

 UNUSUAL FIRE AND EXPLOSION HAZARDS:

 None known

Section 6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Contain spill and recover for reuse or disposal

Section 7. Handling and Storage

HANDLING:

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact Avoid contact with eyes.

STORAGE:

Indoors. Avoid freezing.

Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: VENTILATION: Not normally required, general room ventilation is satisfactory. PERSONAL PROTECTIVE EQUIPMENT: EYE PROTECTION: Safety Glasses with side shields for prolonged contact. SKIN PROTECTION: Gloves for prolonged contact. RESPIRATORY PROTECTION: Not normally required when used at normal temperatures OTHER PROTECTIVE EQUIPMENT: Not normally required PERMISSIBLE EXPOSURE LIMITS:

None determined

Section 9. Physical and Chemical Properties

pH	10.5
VAPOR DENSITY (AIR=1):	NA
SOLUBILITY (in water)	Complete
SPECIFIC GRAVITY	1.01
VAPOR PRESSURE (25 C)	NA
BOILING POINT	NA
APPEARANCE	Dark amber flowable paste, soap odor
% VOLATILE	NA
EVAPORATION RATE	NA
REACTIVITY IN WATER	NA

Facsimile Separator

Material Safety Data Sheets:

Section 10. Stability and Reactivity

STABILITY: Stable CONDITIONS TO AVOID: Excessive heat HAZARDOUS POLYMERIZATION: Will not occur. INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers HAZARDOUS DECOMPOSITION PRODUCTS: None determined

Section 11. Toxicological Information

None available

IS CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN? <u>IARC</u> <u>NTP</u> <u>OSHA</u> No No No

Section 12. Ecological Information

NO DATA

Section 13. Disposal Considerations

WASTE DISPOSAL METHOD:

Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination. It is your duty to dispose of chemical materials and/or their containers in accordance with all federal, state and local regulations.

Section 14. Transport Information

U.S. DOT SHIPPING NAME:	Not Regulated
U.S. DOT HAZARD CLASS:	Not Regulated

Section 15. Regulatory Information

Ingredients contained in this product are in compliance with TSCA. Ingredients regulated by SARA III: none

Section 16. Other Information

The information contained herein are based upon data believed to be correct. However no guarantee or warranty of any kind either expressed or implied is made with respect to the information contained herein. We assume no responsibility for any loss, damage, or expense, direct or indirect, arising out of its use.

Modelling Clay

1.2 Chemical Name: Modeling Clay 1.3 Chemical Family: Modeling Clay SECTION I Image: Section Name : Flexbar Machine Corporation 1.4 Address : 250 Gibbs Road : Islandia, NY 11749 1.5 Emergency phone number : (800) 879-7575 : (631) 582-8440 1.7 Date prepared : July 11, 2007 SECTION II - Hazardous Ingredients/Identity Information	n		
SECTION I 1.3 Division Name : Flexbar Machine Corporatio 1.4 Address : 250 Gibbs Road 1.5 Emergency phone number : (800) 879-7575 1.6 Phone number for information : (631) 582-8440 1.7 Date prepared : July 11, 2007	on		
1.3 Division Name: Flexbar Machine Corporatio1.4 Address: 250 Gibbs Road1.5 Emergency phone number: Islandia, NY 117491.6 Phone number for information: (631) 582-84401.7 Date prepared: July 11, 2007	m		
1.4 Address: 250 Gibbs Road1.5 Emergency phone number: Islandia, NY 117491.6 Phone number for information: (800) 879-75751.7 Date prepared: July 11, 2007	n		
1.5 Emergency phone number : Islandia, NY 11749 1.6 Phone number for information : (800) 879-7575 1.7 Date prepared : July 11, 2007			
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1.6 Phone number for information : (631) 582-8440 1.7 Date prepared : July 11, 2007			
1.7 Date prepared : July 11, 2007			
SECTION II - Hazardous Ingredients/Identity Information			
Hazardous Components	OSHA PEL	ACGIH TLV	Other limits
: None.	:	:	:
SECTION III - Physical/Chemical Characteristics			
3.1 Boiling point : N/A 3.	7 Specific Gravity	: 2.447	
3.2 Vapor pressure : N/A 3.1	8 Evaporation rate	: N/A	
3.3 Vapor density : N/A 3.9	9 % volatile by value @		
	400 degres F	: 39.44	
3.5 Reactivity in water : None			
3.6 Appearance and odor : Pliable Solid - No Odor			
SECTION IV - Fire and Explosion Hazard Data			
4.1 Flash point (method used) : 465 degrees F			
4.2 Flammability limits in air % by value: Lower: N/A Upper: N/A	Λ		
4.3 Auto-Ingnition Temperature : N/A			
4.4 Extinguishing media : Foam Dry Chemical Waterfog			
4.5 Special fire fighting procedures : None.			
4.6 Unusual fire and explosion hazards : None			
SECTION V - Physical Hazards			
5.1 Stability : Unstable:	Stable: X		
5.2 Conditions to avoid (stability): None Known.			
5.3 Incompatibility (materials to avoid): None Known.			
5.4 Hazardous decomposition or byproducts: None			
5.5 Hazardous polymerization May occur:	Will not occur: X		
5.6 Conditions to avoid (polymerization): None Known.			

Modelling Clay

SECTION VI - Health Hazard Data

6.1 Threshold Limit Value: None

6.2 Carcinogenicity NTP? No OSHA? No

6.3 Signs and symptoms of exposure: None.

6.4 Medical conditions generally aggravated by skin exposure:

6.5 Emergency first aid procedures: 1) Inhalation: N/A; 2) Eyes: Remove as any foreign object; 3) Skin: Wash with soap and water;
4) Ingestion: Improbable. Not known to cause a problem.

IARC monographs?: No

SECTION VII - Precautions for safe handling and use

7.1 Steps to be taken in case material is released or spilled: No special.

7.2 Waste disposal methods: Dispose of in accordance with local state and federal regulations.

7.3 Precautions to be taken in handling and storage: Store at room temperature.

7.4 Special protection information: None needed.

The information set forth herein has been gathered from standard reference materials and is, to the best knowledge and belief of Flexbar Machine Corporation accurate and reliable. Such information is offered solely for your consideration, investigation and verification and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. Flexbar Machine Corporation makes no warranties, express or implied, with respect to the use of such information or the use of specific materials identified herein combination with any other material or process, and assumes no responsibility therefore.

Date: 18-11-2010