			GHS SAF	ETY DATA SH	IEET			- FED 2040
	TIONS	SCIG	RIP [®] 42 2-Componer	nt Low VOC Adhe	sive (10:1 Mix F	Ratio)	Date Revised Supersedes	E DEC 2014
SECTION I - PROD	DUCT ANI	COMPANY	IDENTIFICATION					
PRODUCT NAME:			nt Low VOC Adhesive (10:1					
PRODUCT USE:	2-Compon	ent Adhesive for	bonding termoplastics, metal	•				
SUPPLIER:			MANUF	600 Elli P.O. Bo	IP Smarter Adhesiv s Road, Durham,NC ox 12729, Research 19-598-2400	27703 - US/		- USA
MERGENCY: Transport	tation: CHEM	ITEL Tel. 800-255	-3924, +1 813-248-0585 (Inte	ernational) Medica	II: CHEMTEL Tel. 80	0-255-3924,	+1 813-248	-0585 (International)
SECTION 2 - HAZ	ARDS ID	ENTIFICATIO	N					
HEALTION:			Environment	al		Physical		
Acute Toxicity:	Category 4	1	Acute Toxicity:	Category 3	Flammable Lie	•	Category 2	
Skin Irritation: Skin Sensitization: Eye:	Category 2 Category 2 Category 2	1	Chronic Toxicity:	Category 4				
GHS LABEL:	(3)	<u>(</u>)	Signal Word Danger	:	WHMIS CLASSI CONTROLLE		CLASS B, I CLASS D, I	
	Haza	rd Statements			Precautionar	/ Statements		
1225 - Highly flammable liqui 1312 - Harmful in contact with 1315 - Causes skin irritation			use an allergic skin reaction use respiratory irritation	P233 - Keep container tight P260 - Do not breathe vapo				kin, or on clothing n a well-ventilated area
	IPOSITIO	N/INFORMA	TION ON INGREDIEN	TS				
Component "A" (Base			CAS# EINECS #	REACH Pre-registration Number		NCENTRATIC % by Weight	N	
Methyl Methacrylate Mono	omer (MMA),		80-62-6 201-297-1	05-2116297731-37-000		40 - 65		
Component "B" (Catal Senzoyl Peroxide (BPO)*)	94-36-0 202-327-6	05-2116297715-31-000	00	<15%		
All of the constituents of the	his adhesive		on the TSCA inventory of ch ements of Section 313 of the	emical substances main	tained by the US EP	A, or are exe		
			's List of chemicals known to					511(672).
SECTION 4 - FIRS	ST AID ME	EASURES						
Contact with eyes:			plenty of water for 15 minute					
Skin contact: Inhalation:			ing and shoes. Wash skin th thing is stopped, give artificia					
Ingestion:			ve 1 or 2 glasses of water or					
Likely Routes of Exposit		Inhalation, E	ye and Skin Contact					
Acute symptoms and ef Inhalation:		erexposure mav i	esult in nausea, dizziness, he	eadache. Can cause dro	owsiness, irritation of	eves and na	isal passage	s.
Eye Contact:			le. Overexposure may result			-		
Skin Contact:			natural skin oils resulting in s		may occur with prolo	nged contac	t.	
Ingestion: Chronic (long-term) effe		nausea, vomitin None known	g, diarrhea and mental sluggi to humans	shness.				
SECTION 5 - FIRE								
Suitable Extinguishing			l powder, carbon dioxide gas	, foam, Halon, water fog.		HMIS	NFPA	0-Minimal
Unsuitable Extinguish Exposure Hazards:	ing Media:	Water spray			Health	2	2	1-Slight
Combustion Products	:		ld dermal contact rbon, oxides of nitrogen, hydi	rogen chloride	Flammability Reactivity	3 2	3 2	2-Moderate 3-Serious
		hydrocarbon	s, acrid smoke and gases.	-				4-Severe
Protection for Firefigh			ed breathing apparatus or full	-face positive pressure a	air-supply masks.			
SECTION 6 - ACC Personal precautions:	IDENTAL		IEASURES rom heat, sparks and open fla	ame				
r el contal procadationer			cient ventilation, use explosic		ion eqiuipment or we	ar suitable re	espiratory pro	otective equipment.
			act with skin or eyes (see see					
Environmental Precaut Methods for Cleaning			luct or liquids contaminated v with sand or other inert adso				er course.	
			closable vessel (Metal or po			.g		
SECTION 7 - HAN	-							
			th eyes, skin and clothing.		o odoguoto ventilatia	n/fume exhe	uat boodo	
		sources, use only ke while handling.	electrically grounded handlir	ig equipment and ensure	e adequate ventilatio	n/lume exna	ust noods.	
			vell-ventilated area. Keep cor					
	-		mpatible materials. Follow al			l and produc	t bulletins.	
SECTION 8 - PRE EXPOSURE LIMITS:	1			r				
AFUSUKE LIMITS:		omponent thacrylate Mon. eroxide	ACGIH TLV ACGIH STEL 50 ppm 100 ppm 5 mg/m ³ N/E	OSHA PEL OSHA S 100 ppm N/E 5 mg/m ³ N/E	Ξ			
Engineering Controls:	-	eroxide exhaust as neede	-		<u> </u>			
Monitoring:	Maintain b	reathing zone airl	oorne concentrations below e	exposure limits.				
Personal Protective Ec				alon for objectf-		with brow-	orde and - '	o chiolde
Eye Protection: Skin Protection:	Prevent co	ontact with the ski	ar splashproof chemical gogo n as much as possible. Butyl ves or solvent-resistant barrie	rubber gloves should be	e used for frequent ir	nmersion.		
	practices a	and procedures a	re used for making structural	bonds.				
Respiratory Protection:	and to kee	p contaminants b	 n. Use local exhaust ventilation elow levels listed above. Wit re respiratory protection equip 	th normal use, the Expos				



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GHS SAFETY DATA SHEET

Date Revised: FEB 2018 Supersedes: DEC 2014

SCIGRIP[®] 42 2-Component Low VOC Adhesive (10:1 Mix Ratio)

		AL PROPERTIES			
Appearance: Odor:	"A" - Clear, "A" - Strong	heavy viscous liquid, "B" - Cle Solvent Odor, "B" - Mild	ear low viscosity liquid	Odor Threshold: Active Oxygen Content:	
pH: Boiling Point:		C (212.9°F) Based on first boi	iling component: MMA	Evaporation Rate: Flammability:	"A" - > 1.0, "B" - <1 (BUAC = 1) "A" - Category 2, "B" - Category 4
Flash Point:		(52.7°F) T.C.C. based on MM	//A, "B" 84°C (184°F) for BPO	Flammability Limits:	LEL: "A" - 1.6% based on MMA UEL: "A" - 12.5% based on MMA LEL & UEL: "B" - Not Established
Specific Gravity: Solubility: Auto-ignition Tempe	"A" - Slight i	23°C (73°F) "B" 1.164@23°C n Water (MMA, MAA), "B" - Ir (789.8°F): MMA, "B": Not Est	nsoluble in Water	Vapor Pressure:	"A" 29 mm Hg @ 20°C (68°F): MMA "B" - N/E
Decomposition Tempe VOC Content:	perature: "A" - Not Ap	/109.6 F). MiNA, B . Not Est plicable, "B" - 110ºC (230°F) /I mixed, "B" - None		Vapor Density:	"A" - >3 (Air = 1), "B" - N/E
Stability: Hazardous decompo		Stable, unless heated None in normal use. Oxides	s of carbon, oxides of nitrogen	, hydrogen chloride, hydroc	arbons,
Conditions to avoid: Incompatible Materia			light, heat, sparks, open flame ents and metal contaminants	and other ignition sources.	
SECTION 11 - TOX	(ICOLOGICAL INFOR	MATION			
Toxicity: Methyl Methacrylate Mono Benzoyl Peroxide		LD₅₀ ng/kg (rat), Dermal: >35000 r ng/kg (rat)	mg/kg (rabbit) Inhalation: 3	C₅₀ ⊧hrs. 7093 PPM (rat) 96 hours (guppy)	Target Organs STOT SE3
Reproductive Effects Not Established	Teratogenicity Not Established	<u>Mutagenicity</u> Not Established	Embryotyxicity Not Established	Sensitization to Product Not Established	Synergistic Products Not Established
Mobility: Degradability: BioAccumulation:	Not Established Not Established	roladio organio compositiso (typically at a rate of <u><</u> 50 g/l	
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nationa	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT	SIDERATIONS disposal expert.		ypically at a rate of <u><</u> ∋0 gr	
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nationa SECTION 14 - TRA Proper Shipping Name Hazard Class: Secondary Risk: Identification Number:	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT Adhesives 3 None UN 1133	SIDERATIONS disposal expert. ION	EXCEPTI d Quantity: Up to 5L per inne	ON for Ground Shipping r packaging, 30 kg gross we	ight per package. nay qualify under DOT as "ORM-D" .
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nationa SECTION 14 - TRA Proper Shipping Name Hazard Class: Secondary Risk:	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT Adhesives 3 None UN 1133 PG II	SIDERATIONS disposal expert. ION	EXCEPTI d Quantity: Up to 5L per inne Commodity: Depending on p	ON for Ground Shipping r packaging, 30 kg gross we ackaging, these quantities n 5 INFORMATION FLAMMABLE ADHESIVES	ay qualify under DOT as "ORM-D" .
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nationa SECTION 14 - TRA Proper Shipping Name: Hazard Class: Secondary Risk: Identification Number: Packing Group: Label Required: Marine Pollutant:	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT Adhesives 3 None UN 1133 PG II Class 3 Flar	SIDERATIONS disposal expert. ION DOT Limite Consumer	EXCEPTI d Quantity: Up to 5L per inne Commodity: Depending on p TDG CLASS: SHIPPING NAME:	ON for Ground Shipping r packaging, 30 kg gross we ackaging, these quantities n 5 INFORMATION FLAMMABLE ADHESIVES	ay qualify under DOT as "ORM-D" .
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nationa SECTION 14 - TRA Proper Shipping Name: Hazard Class: Secondary Risk: Identification Number: Packing Group: Label Required: Marine Pollutant:	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT Adhesives 3 None UN 1133 PG II Class 3 Flar NO SULATORY INFORMA F, Xi R-11 Highly Flarmmable	SIDERATIONS disposal expert. ION DOT Limite Consumer mmable Liquid ATION mable, Harmful es, respiratory system and ski	EXCEPTI d Quantity: Up to 5L per inne Commodity: Depending on p TDG CLASS: SHIPPING NAME: UN NUMBER/PACKING GR Ingredient Listings: USA TS AICS, Ko	ON for Ground Shipping r packaging, 30 kg gross we ackaging, these quantities n 5 INFORMATION FLAMMABLE ADHESIVES OUP: UN 1133, PC	hay qualify under DOT as "ORM-D" .
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nations SECTION 14 - TRA Proper Shipping Name Hazard Class: Secondary Risk: Identification Number: Packing Group: Label Required: Marine Pollutant: SECTION 15 - REC Precautionary Label Symbols:	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT Adhesives 3 None UN 1133 PG II Class 3 Flar NO SULATORY INFORM/ Information: Highly Flam F, Xi R-111 Highly Flarmable R-36/37/38 Irritating to eye	SIDERATIONS disposal expert. ION DOT Limite Consumer mmable Liquid ATION mable, Harmful es, respiratory system and ski on by skin contact. hildren closed	EXCEPTI d Quantity: Up to 5L per inne Commodity: Depending on p TDG CLASS: SHIPPING NAME: UN NUMBER/PACKING GR Ingredient Listings: USA TS AICS, Kc	ON for Ground Shipping r packaging, 30 kg gross we ackaging, these quantities n S INFORMATION FLAMMABLE ADHESIVES OUP: UN 1133, PC CA, Europe EINECS, Cana rea ECL/TCCL, Japan MITI eyes, rinse immediately with otective clothing, gloves an	Aay qualify under DOT as "ORM-D" .
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nationa SECTION 14 - TRA Proper Shipping Name: Hazard Class: Secondary Risk: Identification Number: Packing Group: Label Required: Marine Pollutant: SECTION 15 - REC Precautionary Label Symbols: Risk Phrases: Safety Phrases:	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT Adhesives 3 None UN 1133 PG II Class 3 Flar NO SULATORY INFORM/ Information: Highly Flam F, Xi R-11 Highly Flammable R-36/37/38 Irritating to eye R-43 May cause sensitizati S-2 Keep out of reach of c S-3 Keep out of reach of c S-3 Keep out of reach of c S-7 Keep container tightly S-24/25 Avoid contact with	SIDERATIONS disposal expert. ION DOT Limite Consumer mmable Liquid ATION mable, Harmful es, respiratory system and ski on by skin contact. hildren closed	EXCEPTI d Quantity: Up to 5L per inne Commodity: Depending on p TDG CLASS: SHIPPING NAME: UN NUMBER/PACKING GR Ingredient Listings: USA TS AICS, Ko n S-26 In case of contact with S-36/37/39 Wear suitable pr	ON for Ground Shipping r packaging, 30 kg gross we ackaging, these quantities n S INFORMATION FLAMMABLE ADHESIVES OUP: UN 1133, PC CA, Europe EINECS, Cana rea ECL/TCCL, Japan MITI eyes, rinse immediately with otective clothing, gloves an	Aay qualify under DOT as "ORM-D" .
Degradability: BioAccumulation: SECTION 13 - WAS Follow local and nationa SECTION 14 - TRA Proper Shipping Name Hazard Class: Secondary Risk: Identification Number: Packing Group: Label Required: Marine Pollutant: SECTION 15 - REC Precautionary Label Symbols: Risk Phrases:	Not Established Not Established STE DISPOSAL CON al regulations. Consult local of NSPORT INFORMAT Adhesives 3 None UN 1133 PG II Class 3 Flar NO Class 3 Flar NO Class 4 Flar R-11 Highly Flarmable R-36/37/38 Irritating to eye R-43 May cause sensitizati S-2 Keep out of reach of c S-3 Keep in a cool place S-7 Keep container tightly S-24/25 Avoid contact with IER INFORMATION ation: data sheet: IPS,	SIDERATIONS disposal expert. ION DOT Limite Consumer mmable Liquid ATION mable, Harmful es, respiratory system and ski on by skin contact. hildren closed	EXCEPTI d Quantity: Up to 5L per inne Commodity: Depending on p TDG CLASS: SHIPPING NAME: UN NUMBER/PACKING GR Ingredient Listings: USA TS AICS, Kc n S-26 In case of contact with S-36/37/39 Wear suitable pr S-46 If swallowed, seek med tal Affairs All ingredie	ON for Ground Shipping r packaging, 30 kg gross we ackaging, these quantities n FLAMMABLE ADHESIVES OUP: UN 1133, PC CA, Europe EINECS, Cana rea ECL/TCCL, Japan MITI eyes, rinse immediately with otective clothing, gloves an lical advise immediately and	ay qualify under DOT as "ORM-D" .

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.