SAFETY DATA SHEET

1. Identification

Label elements

Product identifier	Flexane GP Putty Hardene	r
Other means of identification		
SKU#	X0025BB	
Recommended use	Not available.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/	Distributor information	
Manufacturer		
Company name	ITW Performance Polymers	
Address	Bay 150	
	Shannon Industrial Estate	
	Co, Clare, Ireland	
Telephone	Phone	363(61)771500
E-mail	customerservice.shannon@	twpp.com
Emergency phone number	Emergency Number	44(0)1235 239 670
2. Hazard(s) identification		

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
OSHA defined hazards	Not classified.	



Signal word	Warning		
Hazard statement	Harmful if swallowed. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.		
Precautionary statement			
Prevention	Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear eye protection/face protection.		
Response	If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention. Collect spillage.		
Storage	Not available.		
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.		
Hazard(s) not otherwise classified (HNOC)	None known.		

3% of the mixture consists of component(s) of unknown acute dermal toxicity. 45% of the mixture consists of component(s) of unknown acute inhalation toxicity. 3% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 3% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures			
Chemical name	Common name and synonyms	CAS number	%
Diethyltoluenediamine		68479-98-1	30-60%
Carbon Black		1333-86-4	1-5%
Other components below report	able levels		
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if symptom	is develop or persist.	
Skin contact	Wash off with soap and water. Get medical at	ttention if irritation develops an	d persists.
Eye contact	Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Get		
Ingestion	Rinse mouth. If vomiting occurs, keep head lo Get medical advice/attention if you feel unwel	ow so that stomach content do II.	esn't get into the lungs
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and tre under observation. Symptoms may be delaye		n warm. Keep victim
General information	If you feel unwell, seek medical advice (show personnel are aware of the material(s) involve this safety data sheet to the doctor in attenda	ed, and take precautions to pro	
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carb	on dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical	During fire, gases hazardous to health may be	e formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	rotective clothing must be wor	n in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do s	so without risk.	
Specific methods	Use standard firefighting procedures and con-	sider the hazards of other invo	lved materials.
General fire hazards	No unusual fire or explosion hazards noted.		
6. Accidental release mea	sures		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep per appropriate protective equipment and clothing touch damaged containers or spilled material Ensure adequate ventilation. Local authorities contained. For personal protection, see section	g during clean-up. Do not brea unless wearing appropriate pr s should be advised if significa	the mist/vapors. Do no otective clothing.
Methods and materials for	Prevent product from entering drains.		
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.		
	Small Spills: Wipe up with absorbent material remove residual contamination.	(e.g. cloth, fleece). Clean surf	ace thoroughly to
Environmental precautions	Never return spills to original containers for re Avoid release to the environment. Inform app environmental releases. Prevent further leaka drains, water courses or onto the ground.	ropriate managerial or supervi	sory personnel of all

Precautions for safe handling	Do not breathe mist/vapors. Do not taste or swallow. Avoid contact with eyes. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the		
	environment. Observe good industria		
Conditions for safe storage, ncluding any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).		
8. Exposure controls/pe	rsonal protection		
Occupational exposure limits			
	re the only constituents of the product wh tuents have no known exposure limits.	ich have a PEL, TLV or other rec	commended exposure limit
	issible Exposure Limits (PEL) for Air C	-	0)
Components	Туре	Value	
Carbon Black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. OSHA Table Z-3 Perm Components	issible Exposure Limits (PEL) for Mine Type	ral Dusts (29 CFR 1910.1000) Value	Form
Carbon Black (CAS 1333-86-4)	TWA	5 mg/m3	Respirable fraction.
1555-60-47		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
US. ACGIH Threshold Lim Components	it Values (TLV) Type	Value	Form
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
,	erous to Life or Health (IDLH) Values, a Type	as amended Value	
Carbon Black (CAS 1333-86-4)	IDLH	1750 mg/m3	
US. NIOSH: Pocket Guide Components	to Chemical Hazards Recommended E Type	xposure Limits (REL) Value	
Carbon Black (CAS 1333-86-4)	TWA	0.1 mg/m3	
iological limit values	No biological exposure limits noted fo	r the ingredient(s).	
ontrols	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.		
ndividual protection measures	s, such as personal protective equipm	ent	
Eye/face protection	Chemical respirator with organic vapo	or cartridge and full facepiece.	
Skin protection			
Hand protection	Wear appropriate chemical resistant	-	
Other	Wear suitable protective clothing. Use		nmended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.		
Thermal hazards	Wear appropriate thermal protective of	clothing, when necessary.	
General hygiene considerations	Keep away from food and drink. Alwa washing after handling the material a work clothing and protective equipme	nd before eating, drinking, and/or	

9. Physical and chemical properties

	· ·
Appearance	Liquid.
Physical state	Liquid.

Form	Liquid.
Color	Clear.
Odor	Slight. Pungent.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.00009 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.08 g/cm ³
Explosive properties	Not explosive.
Flammability class	Combustible IIIB estimated
Oxidizing properties	Not oxidizing.
Specific gravity	1.08
10. Stability and reactivity	1

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of	exposure	
Inhalation	Prolonged inhalation may be harmful.	
Skin contact	No adverse effects due to skin contact are expected.	
Eye contact	Causes serious eye irritation.	
Ingestion	Harmful if swallowed.	
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.	
Information on toxicological effects		

Acute toxicity

Harmful if swallowed.

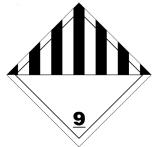
Components	Species	Test Results
Carbon Black (CAS 1333-86-4)		
<u>Acute</u>		
Oral		
LD50	Rat	> 8000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye rritation	Causes serious eye irri	tation.
Respiratory or skin sensitizatio	n	
Respiratory sensitization	Not a respiratory sensit	izer.
Skin sensitization	This product is not expe	ected to cause skin sensitization.
Germ cell mutagenicity	No data available to inc mutagenic or genotoxic	licate product or any components present at greater than 0.1% are
Carcinogenicity	Risk of cancer cannot b	be excluded with prolonged exposure.
IARC Monographs. Overall	Evaluation of Carcinoge	enicity
Carbon Black (CAS 1333 OSHA Specifically Regulate Not listed.		2B Possibly carcinogenic to humans. 1910.1001-1053)
US. National Toxicology Pr	ogram (NTP) Report on (Carcinogens
Carbon Black (CAS 133		Known To Be Human Carcinogen.
Reproductive toxicity		ected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.	
12. Ecological informatio	n	
Ecotoxicity	Very toxic to aquatic life	e with long lasting effects.
Persistence and degradability	No data is available on	the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.	
Mobility in soil	No data available.	
Other adverse effects		onmental effects (e.g. ozone depletion, photochemical ozone creation ruption, global warming potential) are expected from this component.
13. Disposal consideration	ons	
Disposal instructions	this material to drain in with chemical or used o	dispose in sealed containers at licensed waste disposal site. Do not allow to sewers/water supplies. Do not contaminate ponds, waterways or ditches container. Dispose of contents/container in accordance with nternational regulations.
Local disposal regulations	-	with all applicable regulations.
Hazardous waste code	The waste code should disposal company.	be assigned in discussion between the user, the producer and the waste
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).	
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.	
14. Transport information	1	
DOT		
UN number	UN3082	
		tous substance liquid n.e.s.

LINI		ahinnina	
	proper	shipping	name

Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	
Environmental hazards	
Marine pollutant	No.
•	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	8, 146, 173, 335, IB3, T4, TP1, TP29
Packaging exceptions	155
Packaging non bulk	203
Packaging bulk	241
IATA	
UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	
Environmental hazards	No.
ERG Code	9L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	5 , 5 , 5
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-F
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	

DOT; IATA; IMDG

US federal regulations



15. Regulatory information This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)				
Not listed.				
SARA 304 Emergency relea	ase notification			
Not regulated.	ad Substances (20 CED 4040 4	001 1050		
Not listed.	ed Substances (29 CFR 1910.1	001-1055)		
Superfund Amendments and R	eauthorization Act of 1986 (SA	RA)		
SARA 302 Extremely hazar	dous substance			
Not listed.				
SARA 311/312 Hazardous chemical	Yes			
Classified hazard	Acute toxicity (any route of ex			
categories	Serious eye damage or eye in Specific target organ toxicity			
SARA 313 (TRI reporting) Not regulated.				
Other federal regulations				
Clean Air Act (CAA) Sectio	n 112 Hazardous Air Pollutant	s (HAPs) List		
Not regulated.				
	n 112(r) Accidental Release Pr	evention (40 CFR 68.130)		
Not regulated.				
Safe Drinking Water Act (SDWA)	Not regulated.			
US state regulations				
US. California. Candidate C (a))	Chemicals List. Safer Consume	er Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.		
Carbon Black (CAS 133 Diethyltoluenediamine (,			
California Proposition 65				
	his product can expose you to C ancer. For more information go t	arbon Black, which is known to the State of California to cause o www.P65Warnings.ca.gov.		
California Proposition	65 - CRT: Listed date/Carcinog	aenic substance		
Carbon Black (CAS		Listed: February 21, 2003		

International Inventories

Country(s) or region	Inventory name On in	nventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Voo" indicatoo that all comp	anonte of this product comply with the inventory requirements administered by the governing	a_{α}

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date

07-25-2023

Version # HMIS® ratings	01 Health: 2* Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 1 Instability: 0
Disclaimer	ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.