

BHEL :: BAP :: RANIPET
PURCHASE DEPARTMENT

ANNEXURE-A (Technical Specification)/1720578E DT 29.07.2022

Bids shall be submitted quotation through - <https://eprocurebhel.co.in/> (Online only).

Sl No.	Matl Code	Description	Qty	Unit	Remark by Bidders(quoted or not quoted)
1	IM1200200200	SYNTHETIC ENAMEL GOLDEN YELLOW PAINT	200	LT	
2	IM1200200300	SYNTHETIC ENAMEL WHITE PAINT TO IS2932	60	LT	
3	IM1200200400	SYNTHETIC ENAMEL BLACK PAINT	60	LT	
4	IM8117120001	SYNTHETIC ENAMEL PHIROZA BLUE PAINT	20	LT	
5	IM1200200700	DEEP ORANGE SHADE.592.IS.5 SYNTHETIC ENAMEL DEEP ORGANGE PAINT	20	LT	
6	IM1200201800	NAVY BLUE PAINT TO IS:2932 SYNTHECTIC ENAMEL NAVY BLUE PAINT	20	LT	

Annexure-I to the Enquiry
Essential Commercial Terms & Conditions for our enquiry : 1720578E

SI No	DESCRIPTION	BHEL'S REQUIREMENT	Suppliers Comments
01	PRICE	Shall be firm till supply completion	
02	DELIVERY TERMS	FOR, DESTINATION (Destination :BHEL, Ranipet-Stores)	
03	PACKING&FORWARDING	Included. (if extra indicate in %)	
04	FREIGHT & INSURANCE	To be included (If extra indicate in %)	
05	GST Registration No	To be indicated by supplier	
06	HSN Code	To be indicated for each product by supplier	
07	GST Applicable rate	IGST / SGST / CGST / UTGST to be indicated by supplier (Applicable on basic price).	
08	MSME STATUS (MICRO/SMALL/MEDIUM)	Supplier has to mention, whether they are coming under Micro/ Small / Medium Enterprises. If you are coming in Micro/ Small industries, submit the EMI/ Udyog Aadhar. Submit Chartered accountant Certificate in the attached format.	
09	PAYMENT TERMS	100% within 45 days after receipt & acceptance of materials at our end for registered MSE (Micro & Small) supplier.	
		100% within 60 days after receipt & acceptance of materials at our end for registered Medium supplier.	
		(Kindly note that our present standard payment terms for NON - MSE vendors is " 100% within 90 days of receipt and acceptance of materials at our stores". Please confirm your acceptance for the same. In the event of any deviation in the above payment terms the following loading on your total rate will be done as below." Marginal Cost of funds based Lending rate (MCLR) of SBI (as applicable on the date of techno commercial bid opening) + 6% shall be considered for loading for the period of relaxation sought by you")	
10	DELIVERY PERIOD	To be indicated by supplier (In terms of number of weeks from the date of PO). The manufacturing, Inspection, Transportation time etc. should be included in the delivery period. Bidder quote the delivery period accordingly.	
11	L.D.CLAUSE	As indicated in Enquiry (as per IMPORTANT NOTE) Confirmation L.D. clause as indicated in Enquiry @ 0.5% per week subject to a maximum of 10% for the delayed delivery. (In case any bidder is not accepting the above penalty for delayed Supply, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder. Example: If the Supplier has accepted for maximum 5% penalty clause, then balance 5% will be loaded for evaluating lowest bidder).Kindly mention Accepted/Not Accepted.	
12	OFFER VALIDITY	Minimum 90 days from the date RA /Technical bid opening.	
13	Confirmation for Reverse Auction	Not Applicable	
14	INSPECTION BEFORE DESPATCH	Will be done at Your Works Before Dispatch	
15	TEST CERTIFICATE	Required	
16	GUARANTEE CERTIFICATE	The materials are to be guaranteed for satisfactory performance for a period of 12 months from the date of commissioning / putting in to use. OR, 18 months from the date of dispatch, whichever is earliest and if any defect is noticed during the above period, the same shall be rectified / replaced free of cost on FOR Ranipet / Destination basis within a reasonable time.(Required)	
17	RISK PURCHASE	Alternatively, the purchaser at his option will be entitled the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in L.D clause above. Non-acceptance of Risk Purchase is liable to be non-consideration of the bids.	
18	Cancellation Clause	In the event of non- performance of the contract by the supplier. BHEL reserves the right to cancel the order with issue of a written notice. BHEL would provide a curing period of 30 days, for the supplier to rectify the situation. If the supplier fails to rectify	

Date:

SIGNATURE WITH SEAL

Annexure-I to the Enquiry
Essential Commercial Terms & Conditions for our enquiry : 1720578E

		the reason/s that led to the issue of cancellation notice by BHEL, then the cancellation order would be issued automatically by BHEL, without further recourse to the seller. BHEL will not pay any cancellation charges or any other charges/damages to the supplier, arising out of such cancellation. In the event of the non-performance of the supply contract, by the supplier, the rights of BHEL include, in addition to cancelling the order, to take alternate purchase action at the cost and risk of the supplier. The additional expenditure to be incurred by BHEL in such alternate purchase would be to the account of the supplier. (Risk Purchase). This remedy would be in addition to the revoking of the CEBG on grounds of failure of the supplier in executing the contract and any other legal remedies."	
19	Force Majeure	If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions epidemics quarantine restrictions, or acts of God (herein after referred to as event) then, provided notice of happening of any such event is given by other within 21 days from date of occurrence thereof neither party shall be reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance and delay in performance and delivery under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event, claims for extension of time shall be granted for periods considered reasonable by the Purchaser subject to prompt notification by the seller to the Purchaser of the particulars of the event and supply to the purchaser if, required , of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.	
20	Company PAN No:		
21	CONTACT PERSON NAME:		
22	Works Address		
23	PHONE #, Mobile		
24	E-MAIL ID,		
25	(SDDR)	Specification deviation disposition report (SDDR) Attached SDDR to be filled & submit along with offer.[In case of NO deviation is taken, NIL report to be submitted]	

SPECIFICATION DEVIATION DISPOSITION REPORT					
Specification:				Item	
Enq.No & Date					
Vendor Name					
SPECN					
Page	Clause	Details Of Deviation With Reason		Disposition By Bhel	
Signature Of Vendor				Reviewed By	
" AGREED DEVIATION "				APPROVED BY	
if any to be incorporated in the PO in the event of order.					

The above format shall be completely filled and deviation if any shall be clearly spelt out. The columns which are not applicable shall be mentioned as "not applicable". No column should be left blank. Non filling-up of columns may lead to rejection of your offer. If there is any difference (in the points accepted/confirmed) between the offer and this filled-up commercial terms & conditions sheet, the later only shall prevail.

Date:

SIGNATURE WITH SEAL

Receipt No : 966729/2022/BAP-9750_SU

File No. BAP/160/2022-BAP-WTC&IM (Computer No. 256180)

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Receipt No : 946424/2022/BAP-WTC&IM

PRE QUALIFICATION REQUIREMENT (PQR) for supply of synthetic Enamel Paint			
Indent No. : D81120020 dt 15/ 07/ 2022			
Offers from the bidders meeting all the below Pre-Qualification Criteria concurrently will only be qualified to participate in this tender Enquiry. Other offers will summarily be rejected.			
Clause No.	Pre- Qualification Criteria	Documentary Evidence to be submitted by Bidder	Bidders' Confirmation / Remarks
1	Bidder should be manufacturer/ Dealer/ Stockist of items mentioned in the tender.	Registration certificate / Manufacturing license/ Proof from District Industries Center/ UAM NSIC/ Dealership Certificate	
2	Bidder shall have supplied any colour shade of Synthetic enamel paint at least 40 litres in single order in last two years as on date of technical bid opening.	1) Purchase order/ Invoice Copy/ GRN/ Performance certificate & supply completion certificate ii) Corresponding test certificates.	
3	The average annual financial turnover of the bidder during the last three Financial years should be minimum 30% of tender estimate..	Annual reports/ ITC/ Balance Sheet (Audited) / Profit & Loss Account Statement to be submitted.	
<p>Note:</p> <p>A. BHEL reserves the right to verify the information provided by the bidder. In case the information provided by the bidder is found to be false/ incorrect, the offer shall not be considered and action will be initiated as per BHEL guidelines (BHEL reserves the right to ban bidder across the BHEL for a minimum period of 3 years).</p> <p>B. All the documents submitted shall be self-attested.</p>			
<p>Sign</p> <p>Seal</p>			

Annexure 1, Indent No.: D81120020 , Dated: 15/07/2022

1. General points related to materials
 - a. All parameters as indicated are at Room Temperature.
 - b. Method of application: Brush, Air spray and Airless spray.
 - c. The finish should be full gloss.
 - d. Paint consistency should be smooth and homogeneous.
 - e. For all paints –
Test certificate and guarantee certificate to be furnished along with supply. The material shall be procured in line with paint procurement check list and quality procedure released by BHEL-BAP/Quality. Pre-despatch inspection to be offered to BHEL/BHEL authorised inspection agency.
2. Each container must have following information available on it.
 - Material name
 - BHEL material code
 - Colour
 - Volume of solids in %
 - Batch no.
 - Expiration date
 - BHEL order number
 - Test Results (Acceptable/Unacceptable)
 - BHEL-BAP/ Ranipet use only
3. Safety points
Along with each supply the supplier shall furnish Material Safety Data Sheet (MSDS) covering information relating to human safety and environmental impacts of the hazardous materials particularly during, transportation, storage, handling and disposal.
Each container shall be marked with corresponding symbol and minimum worded cautionary notice for flammable / corrosive / toxic / harmful / irritant and oxidizing etc. as applicable.
4. All suppliers shall qualify the PQR criteria.

Receipt No : 966729/2022/BAP-9750_SU

File No. BAP/160/2022-BAP-WTC&IM (Computer No. 256180)

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Receipt No : 946371/2022/BAP-WTC&IM

Annexure 1, Indent No.: D81120020 , Dated: 15/07/2022

Indent Sl.No :01	BHEL SPECIFICATION	BIDDERS CONFIRMATION ACCEPTED/NOT ACCEPTED
Material Code	IM1200200200 ✓	
Material Description	Synthetic Enamel Paint as per IS:2932- Latest .	
COLOUR	Shade no 356 of IS 5 : Golden Yellow ✓	
MASS IN KG / 10 LITER	9.0 Min	
FINISH	Smooth & Glossy	
VOLUME SOILIDS %	35 Min	
DRY TIME : HARD DRY	12 HRS Max.	
APPLICABLE Quality Plan	MQP NO : SYN: ENA Rev No :01 Dt 13/07/2020	
Packing Size	4 Litres ✓	
MINIMUM SHELF LIFE IN MONTHS	12 MONTHS FROM BHEL RECEIPT	

Indent Sl.No : 02	BHEL SPECIFICATION	BIDDERS CONFIRMATION ACCEPTED/NOT ACCEPTED
Material Code	IM1200200300 ✓	
Material Description	Synthetic Enamel Paint as per IS:2932- Latest .	
COLOUR	White ✓	
MASS IN KG / 10 LITER	9.0 Min	
FINISH	Smooth & Glossy	
VOLUME SOILIDS %	35 Min	
DRY TIME : HARD DRY	12 HRS Max.	
APPLICABLE Quality Plan	MQP NO : SYN: ENA Rev No :01 Dt 13/07/2020	
Packing Size	4 Litres ✓	
MINIMUM SHELF LIFE IN MONTHS	12 MONTHS FROM BHEL RECEIPT	

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Receipt No : 946371/2022/BAP-WTC&IM

Annexure 1, Indent No.: D81120020 , Dated: 15/07/2022

Indent Sl.No : 03	BHEL SPECIFICATION	BIDDERS CONFIRMATION ACCEPTED/NOT ACCEPTED
Material Code	IM1200200400 ✓	
Material Description	Synthetic Enamel Paint as per IS: 2932- Latest .	
COLOUR	Black ✓	
MASS IN KG / 10 LITER	9.0 Min	
FINISH	Smooth & Glossy	
VOLUME SOILIDS %	35 Min	
DRY TIME : HARD DRY	12 HRS Max.	
APPLICABLE Quality Plan	MQP NO : SYN: ENA Rev No :01 Dt 13/07/2020	
Packing Size	4 Litres ✓	
MINIMUM SHELF LIFE IN MONTHS	12 MONTHS FROM BHEL RECEIPT	

Indent Sl.No : 04	BHEL SPECIFICATION	BIDDERS CONFIRMATION ACCEPTED/NOT ACCEPTED
Material Code	IM8117120001 ✓	
Material Description	Synthetic Enamel Paint as per IS:2932- Latest .	
COLOUR	Shade no 176 of IS 5 :Phirozi Blue ✓	
MASS IN KG / 10 LITER	9.0 Min	
FINISH	Smooth & Glossy	
VOLUME SOILIDS %	35 Min	
DRY TIME : HARD DRY	12 HRS Max.	
APPLICABLE Quality Plan	MQP NO : SYN: ENA Rev No :01 Dt 13/07/2020	
Packing Size	4 Litres ✓	
MINIMUM SHELF LIFE IN MONTHS	12 MONTHS FROM BHEL RECEIPT	

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Receipt No : 966729/2022/BAP-9750_SU

File No. BAP/160/2022-BAP-WTC&IM (Computer No. 256180)

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Receipt No : 946371/2022/BAP-WTC&IM


Annexure 1, Indent No.: D81120020 , Dated: 15/07/2022

Indent Sl.No : 05	BHEL SPECIFICATION	BIDDERS CONFIRMATION ACCEPTED/NOT ACCEPTED
Material Code	IM1200200700 ✓	
Material Description	Synthetic Enamel Paint as per IS: 2932- Latest .	
COLOUR	Shade no 591 of IS 5 : Deep orange ✓	
MASS IN KG / 10 LITER	9.0 Min	
FINISH	Smooth & Glossy	
VOLUME SOILIDS %	35 Min	
DRY TIME : HARD DRY	12 HRS Max.	
APPLICABLE Quality Plan	MQP NO : SYN: ENA Rev No :01 Dt 13/07/2020	
Packing Size	4 Litres ✓	
MINIMUM SHELF LIFE IN MONTHS	12 MONTHS FROM BHEL RECEIPT	

Indent Sl.No : 06	BHEL SPECIFICATION	BIDDERS CONFIRMATION ACCEPTED/NOT ACCEPTED
Material Code	IM1200201800 ✓	
Material Description	Synthetic Enamel Paint as per IS:12932- Latest .	
COLOUR	Shade no 106 of IS 5 : Navy Blue ✓	
MASS IN KG / 10 LITER	9.0 Min	
FINISH	Smooth & Glossy	
VOLUME SOILIDS %	35 Min	
DRY TIME : HARD DRY	12 HRS Max.	
APPLICABLE Quality Plan	MQP NO : SYN: ENA Rev No :01 Dt 13/07/2020	
Packing Size	4 Litres ✓	
MINIMUM SHELF LIFE IN MONTHS	12 MONTHS FROM BHEL RECEIPT	

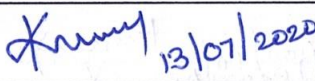
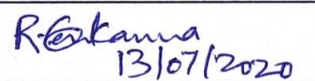
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	MANUFACTURER'S NAME & ADDRESS:	MANUFACTURING QUALITY PLAN					MQP NO: SYN:ENA REV NO: 01				
	BHEL (BAP) - Ranipet Approved Suppliers	PRODUCT: Synthetic Enamel to IS: 2932 -1 : 2013 (Reaffirmed 2018)					DATE: 13/07/2020 PAGE: 1 OF 2				
		SUB-SYSTEM : ---									

SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY			REMARKS
									M	C	N	
1	2	3	4	5	6	7	8	9	D**	**	10	11

1.0 RAW MATERIALS:													
1.1	Pigments, solvents, resins & additives	Composition	M	Review	IS 2932-1	IS 2932-1	IS 2932-1& BHEL PO	TC	-	V	-	-	
2.0 INPROCESS CONTROLS:													
2.1	Measurement of Ingredients	Weight / Volume	A	Measure	IS 2932-1	Supplier's Procedure and IS 2932-1		Log	-	P	-	-	
2.2	Dispersion	Granulating Pigments	M	Visual	IS 2932-1	Supplier's Procedure and IS 2932-1		Log	-	P	-	-	
2.3	Let-down & Mixing	Proper mixing of resins, solvents and additives	M	Visual	IS 2932-1	Supplier's Procedure and IS 2932-1		Log	-	P	-	-	
3.0 FINAL INSPECTION & TESTING (Refer Note 1 & 2):													
3.1	Finished Paint	Consistency	M	Visual	IS 2932-1	IS 2932-1	IS 2932-1	TC	√	P	V	-	
3.2		Viscosity by Ford Cup No:4 at 27+2 ⁰ C	M	Measure	IS 2932-1	IS 2932-1 / IS 101	IS 2932-1	TC	√	P	V	-	
3.3		Mass (kg/10 litre), min	M	Measure	IS 2932-1		IS 2932-1	TC	√	P	W	-	
3.4		Drying Time (h), max. a) Surface Dry b) Hard Dry c) Tack Free	A	Measure	IS 2932-1		IS 2932-1	TC	√	P	W*	-	*W for Surface Dry. Others, V.
3.4		Finish & Gloss	A	Visual	IS 2932-1		IS 2932-1& BHEL PO	TC	√	P	W	-	
3.5		Fineness of grind(μ), max	M	Measure	IS 2932-1		IS 2932-1	TC	√	P	V	-	
3.6		Colour	A	Visual	IS 2932-1		IS 2932-1 & BHEL PO	TC	√	P	W	-	
3.7		Flexibility & Adhesion # a) Scratch Hardness b) Bend Test	A	Measure	IS 2932-1		IS 2932-1	TC	√	P	W	-	# After 48 h of air drying
3.8		Flash Point	A	Measure	IS 2932-1		IS 2932-1	TC	√	P	W	-	
3.9		Composition #: a) Volume solids percent, min, b) Non-volatile content, percent by mass, min	A	Measure	IS 2932-1		IS 2932-1 & BHEL PO	TC	√	P	W	-	#To be tested at NABL accredited lab

 13/07/2020	 13/07/2020	LEGEND: * RECORDS IDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER, C: BHEL / BHEL AIA, N: CUSTOMER; P: PERFORM, W: WITNESS, V: VERIFICATION; CLASS: A - CRITICAL; B - MAJOR; C - MINOR; MTC- MILL /MANUFACTURER'S TEST CERTIFICATE; IR- INSPECTION REPORT.
PREPARED BY	REVIEWED & APPROVED BY	
K.S. GOPAKUMAR, DE/QA	VENKANNA RUPANI, DM/QA	
SIGNATURE & SEAL		

		MANUFACTURER'S NAME & ADDRESS: BHEL (BAP) - Ranipet Approved Suppliers					MANUFACTURING QUALITY PLAN			MQP NO: SYN:ENA REV NO: 01		
										DATE: 13/07/2020 PAGE: 2 OF 2		
		PRODUCT: Synthetic Enamel to IS: 2932 -1 : 2013 (Reaffirmed 2018)					SUB-SYSTEM : ---					
SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY			REMARKS
1	2	3	4	5	6	7	8	9	D**	**	10	11

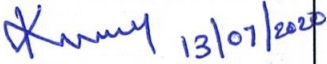

3.10	Finished Paint	Accelerated storage stability test#	M	Measure	IS 2932-1	IS 2932-1 / IS 101	IS 2932-1	TC	√	P	V	-	#To be tested at NABL accredited lab
3.11		Keeping properties - Not less than one year from date of manufacturing	A	Measure	IS 2932-1		IS 2932-1	TC	√	P	V	-	
3.12		Wet opacity, m ² /10 litre, min	C	Visual	IS 2932-1		IS 2932-1	TC	√	P	V	-	
3.13		DFT (μ) per coat	A	Measure	IS 2932-1		IS 2932-1 & BHEL PO	TC	√	P	W	-	
3.14		Lead Content	M	Measure	IS 2932-1		IS 2932-1	TC	√	P	V	-	
4.0		MARKING, PACKING & CERTIFICATION:											
4.1	Identification & Packing	Stenciling & Packing	M	Visual & Review	IS 2932-1	IS 2932-1	IS 2932-1 & BHEL PO	TC	√	P	V	-	
4.2	Certification	Compliance	A	Review	IS 2932-1	IS 2932-1	IS 2932-1 & BHEL PO	TC	√	P	V	-	

Record of Revisions

Rev No	Date	Clauses revised	Description of Revision
00	17/08/2015	--	Original Issue.
01	13/07/2020	All	Completely reorganized and revised.

Notes:

1. Latest editions / versions of the referred standards shall be used.
2. Sample selection for testing to be done in the presence of BHEL / BHEL AIA.

 13/07/2020		 13/07/2020		LEGEND: * RECORDS IDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER, C: BHEL / BHEL AIA, N: CUSTOMER; P: PERFORM, W: WITNESS, V: VERIFICATION; CLASS: A - CRITICAL; B - MAJOR; C - MINOR; MTC- MILL /MANUFACTURER'S TEST CERTIFICATE; IR- INSPECTION REPORT.
PREPARED BY		REVIEWED & APPROVED BY		
K.S. GOPAKUMAR, DE/QA		VENKANNA RUPANI, DM/QA		
SIGNATURE & SEAL				

Stencilling and Marking

1. BHEL Purchase orders No, PO date, Material code, Material description, Manufacturing date, expiry date, & “BHEL/RANIPET Use only” shall be stenciled/stickered on each Tin/Can/Package individually.

BHEL Material code & Description to be mentioned in invoices and inspection calls. Please submit the below documents for

1. dispatch clearance and Dispatch the material only after the dispatch clearance from BHEL.
2. Final Inspection report (CQIR)
3. Test certificate
4. Photos of Tin/Can with sticker details
5. MSDS

Inspection clause:

1. Inspection before dispatch will be applicable for this item as per the quality plan.
Procedure: After completion of production, the bidder has to raise the inspection call through CQIR <https://cqir.bhel.in/Cqir> at least 3 days in advance.
2. The first stage inspection will be done by the inspector and with the witness of the inspector, a sample will be collected for further testing.
3. Once again, an inspection call has to be raised through <https://cqir.bhel.in/Cqir> for the inspector to witness/verify the final tests.
4. All the charges applicable for the above procedure/testing should be borne by the bidder. Service charges for the inspector only will be borne by BHEL.

MATERIAL SAFETY DATA SHEET – 16 Sections

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier		[WHMIS Classification]	
Product Use			
Manufacturer's Name		Supplier's Name	
Street Address		Street Address	
City	Province	City	Province
Postal Code	Emergency Telephone	Postal Code	Emergency Telephone
Date MSDS Prepared	MSDS Prepared By	Phone Number	

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry <input type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
[Emergency Overview]
[WHMIS Symbols]
[Potential Health Effects]

SECTION 4 – FIRST AID MEASURES

Skin Contact
Eye Contact
Inhalation
Ingestion

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

SECTION 5 – FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction		
Flashpoint (°C) and Method	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
Autoignition Temperature (°C)	Explosion Data – Sensitivity to Impact	Explosion Data – Sensitivity to Static Discharge
Hazardous Combustion Products		
[NFPA]		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment
Storage Requirements

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)
Personal Protective Equipment <input type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odour and Appearance	Odour Threshold (ppm)
Specific Gravity	Vapour Density (air = 1)	Vapour Pressure (mmHg)
Evaporation Rate	Boiling Point (°C)	Freezing Point (°C)
pH	Coefficient of Water/Oil Distribution	[Solubility in Water]

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability <input type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones?
Reactivity, and under what conditions?	
Hazardous Decomposition Products	

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Effects of Chronic Exposure	
Irritancy of Product	
Skin Sensitization	Respiratory Sensitization
Carcinogenicity – IARC	Carcinogenicity – ACGIH
Reproductive Toxicity	Teratogenicity
Embryotoxicity	Mutagenicity
Name of Synergistic Products/Effects	

SECTION 12 – ECOLOGICAL INFORMATION

[Aquatic Toxicity]

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal

SECTION 14 – TRANSPORT INFORMATION

Special Shipping Information	
	PIN
TDG	[DOT]
[IMO]	[ICAO]

SECTION 15 – REGULATORY INFORMATION

[WHMIS Classification]	[OSHA]
[SERA]	[TSCA]

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 – OTHER INFORMATION
