

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

Sophisticated Analytical Instrument Facility (SAIF)

ANALYSIS REQUEST FORM AND SAFETY DATA SHEET-TOF SIMS

User Type: IITB/ External (University/National Lab/R & D/Industry)

Name of the user:
Email
Contact No:
Name of the Institute/Organization:
Address of Institute / Organization:

Name of Guide/PI:
Email
Contact No:

1. Sample Code/Name:

2. Number of Samples:

Kindly Tick whichever is applicable for the following

3. Analysis required- Depth Profiling/ surface spectra/ elemental 3Dmapping/All

4. Sample Type: Solid(Powder, Pellet, Bulk)/Thin film/Others(Specify)

5. Sample Category: n/p type doped samples/Thin Film / Metal/Biological / Composite Material / Polymer/Ceramic/Others (Specify)

6. Aim of TOF SIMS study:

7. Sample dimension: (16 mmx16 mmx8 mm height maximum)

8. Sample nature: Non-Conducting / Conducting / Semi-Conductor/ Insulator/Magnetic/ Non Magnetic /Any other characteristic nature (Specify)

9. Moisture or volatile organic compound: Absent/Present

10. Mention the storage and handling conditions if anything specific

- 11. Sample Properties:** Carcinogenic(level)/ Radioactive/ Explosive/ Toxic/ Corrosive/ flammable/
Other(specify)
- 12. Stability of sample:** Stable under RTP/Reactive in air/ light/heat/vacuum/moisture, hygroscopic,
sublimes/ may decompose when exposed to accelerated ion beam
- 13. Toxicity:** Hazardous/ Non Hazardous
- 14. Health hazards:** Yes/No(irritant to skin/irritant to eyes/harmful to skin/ toxic if inhaled/toxic if
ingested)
- 15. First aid measures:** Eye/Skin/Inhalation/ Ingestion/Others(specify)
- 16. Disposal Method of sample**
- 17. All Samples will be discarded within 7 days of analysis. If you wish to collect the samples then
you are required to make arrangement for the same. SAIF office will not dispatch the same to
users under any circumstances.**
- 18. Please fill in appropriate numbers in the NFPA diamond if MSDS is available(*Kindly refer the
image at the end of the file for reference):**



- 19. Additional information if any**
- 20. MSDS (should be uploaded/attached if available)**

Declaration

I confirm that the samples submitted for analysis are for research purpose only and the above furnished details are correct and true to the best of my knowledge. I understand that I will be held responsible for any damages arising from incorrect information provided by me against points 11-14.

I agree to acknowledge DST and SAIF/CRNTS, IIT Bombay for providing (Instrument name) analytical facility for my research work, in my publications. I also agree to send the publication reference (Journal name/volume number/names of the authors/date of issue of the publication etc) to office.saif@iitb.ac.in

I declare that the “Content of this report is meant for our information only and we will not use the content of this report for advertisement, evidence, litigation or quote as certificate to third party”

I accept that all the issued reports/results (Soft/hard) will not carry any Signature or Seal and Stamp of SAIF/CRNTS IIT Bombay.

Signature of the User

Signature of the In Charge/HOD/PI with College / P.I. / Guide seal / stamp

Date:

Place:

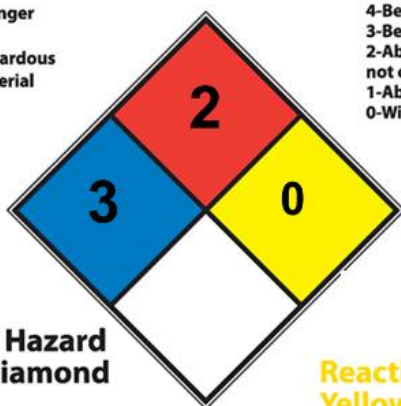
*refer the image below for reference for filling up Point 18:

**Health Hazard
Blue Diamond**

- 4-Deadly
- 3-Extreme Danger
- 2-Hazardous
- 1-Slightly Hazardous
- 0-Normal Material

**Fire Hazard
Red Diamond**

- Flash Points
- 4-Below 73°F
 - 3-Below 100°F
 - 2-Above 100°F not exceeding 200°F
 - 1-Above 200°F
 - 0-Will not burn



**Specific Hazard
White Diamond**

- ACID - Acid
- ALK - Alkali
- COR - Corrosive
- OXY - Oxidizer
- ☢ - Radioactive
- ☞ - Use No Water

**Reactivity
Yellow Diamond**

- 4-May Detonate
- 3-Shock & Heat may detonate
- 2-Violent Chemical change
- 1-Unstable if heated
- 0-Stable