**CHEMICAL FACT WORKSHEET**  Chemical Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the Safety Data Sheet (try Sigma Aldrich online) and help from your research advisor to fill out this form.

SDS section 2 (Hazard Identification) Signal Word: Danger [ ]  Warning [ ]  No Signal Word [ ]

*Information can also be found in SDS section 8, 11, and 16.*

Circle all pictograms and check all hazards that apply. Toxicity[ ]  Oral (mouth)[ ]  Dermal (skin) [ ]  Inhalation (respiratory tract) [ ]

* Oxidizers

* Acutely Toxic (severe)

* Gases Under Pressure

* Toxic to aquatic environment

* Explosives
* Self Reactives
* Organic Peroxides

* Burns Skin
* Damages Eyes
* Corrosive to Metals

* Acutely Toxic (harmful)
* Irritant to skin eyes or respiratory tract
* Skin sensitizer
* Hazardous to the Ozone layer

* Carcinogen
* Mutagenicity
* Respiratory Sensitizer
* Reproductive Toxicity
* Target Organ Toxicity
* Aspiration Toxicity

* Flammables
* Self Reactives
* Pyrophorics
* Self-Heating
* Emits Flammable Gas
* Organic Peroxides

SDS section 3 (Composition/Information on Ingredients) (may also be found at https://pubchem.ncbi.nlm.nih.gov/)

Synonyms:

Formula:

Molecular Weight (or SDS section 9):

CAS #

SDS section 8 (Exposure Controls/Personal Protection): Check all necessary personal protective equipment.

Safety (Impact) Glasses [ ]  Splash (Lab) Goggles [ ]  Nitrile Gloves [ ]  Double Dipped Gloves [ ]  Specialty Gloves [ ]  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Apron/Lab Coat [ ]  Dust Mask [ ]  Fume Hood [ ]  Face Shield [ ]  Other [ ]  ­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SDS section 9 (Physical and Chemical Properties) (may also be found at https://pubchem.ncbi.nlm.nih.gov/)

Phase (Solid,Liquid,Gas):

Color:

Odor:

Density:

Boiling Point:

Melting Point:

Solubility:

Flashpoint:

SDS section 10 (Stability and Reactivity) Incompatibilities: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SDS section 11 (Toxicological Information) LD50 (Oral rat): ­LC50 (Inhalation Rat): LD50 (Dermal Rabbit):

SDS section 12 (Ecological Information) LC50 (fish):

How will you store this chemical. Check all that apply. May not be found in SDS; consult with your research advisor.

Flammable or Organics Cabinet [ ]  Acid Cabinet [ ]  Base Cabinet [ ]  Refrigerator [ ]  Freezer [ ]

Darkened Space [ ]  Under Nitrogen [ ]  Cupboard [ ]  Room Temp [ ]  Other [ ]  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Container Type →** Glass [ ]  Plastic [ ]  Clear [ ]  Dark [ ]  Other­ [ ]  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What will you do with your chemical waste? Check all that apply. May not be found in SDS.

Sink Disposal [ ]  Trash Disposal [ ]  Neutralize [ ]  Properly Label and Contact SIT for pickup [ ]

 **Container Type →** Solid waste container [ ]  Liquid Waste Container [ ]  Glass [ ]  Plastic [ ]  Other­ [ ]  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What will you personally do if you spill this chemical? Please describe your procedures for BOTH small and large spills

In hood:

Outside hood:

**Student Name:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Faculty Name:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Faculty Signature:**­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_