

# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2019  
Date Updated: July 04, 2019

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION -----

**Product Name** Acriflavine, neutral  
**Product Code(s)** AD0009  
**Recommended Use** For Laboratory Research Use Only  
Not for Human or Animal Drug Use

**Supplier** Bio Basic Inc.  
**Address** 20 Konrad Crescent, Markham, Ontario,  
Canada, L3R 8T4

**Telephone** (905) 474 4493  
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**For Chemical Emergency Phone#** (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### GHS CLASSIFICATION

Acute toxicity, Oral	Category 4
Skin irritation	Category 2
Eye irritation	Category 2A
Specific target organ toxicity- single exposure	Category 3
Acute & chronic aquatic toxicity	Category 2



### Pictogram

**Signal Word:** Warning

**HAZARD STATEMENT(S):** H302: Harmful if swallowed H315: Causes skin irritation

H319: Causes serious eye irritation H335: May cause respiratory irritation H411: Toxic to aquatic life with long lasting effects

**PRECAUTIONARY STATEMENT(S):** P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: wash skin thoroughly after handling P270: Do not drink, eat, smoke, when using this product.

P271: Use only outdoors or in well-ventilated area. P273: Avoid release into environment P391: Collect Spillage

P280: Wear protective gloves/eye & face protection P330: Rinse mouth

P301 + P312: If Swallowed: Call Poison Center or doctor/physician if you feel unwell

P302 + P312: If on Skin: Wash with plenty of soap & water. P312: Call Poison Center if you feel unwell.

P304 + P340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue Rinsing.

P321: Specific treatment (see supplemental first aid instructions on label)

P332 + P313: If skin irritation occurs: Get medical advice. P337 + P313: If eye irritation persists: Get medical advice.

P362: Take off contaminated clothing and wash before reuse. P405: Store Locked up

P403 + P233: Store in well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container to an approved waste disposal plant.

**HMIS CLASSIFICATION:** Health hazard: 2, Flammability: 0, Physical hazards: 0

**NFPA RATING:** Health hazard: 2, Fire: 0, Reactivity hazard: 0

**Potential Health Effects: Eyes:** May cause eye irritation and possible burns.

**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

### SECTION 3. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

Chemical Name	EC No.	CAS-No	Weight %
Acridlavine, neutral	-	8048-52-0	<100

### SECTION 4. - - - - - FIRST-AID MEASURES - - - - -

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin:** In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. Do **NOT** induce vomiting. **NEVER** give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **Notes to Physician:** Treat symptomatically and supportively.

### SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution. **Extinguishing Media:** In case of fire use water spray to cool fire expose containers. Use water spray, dry chemical, Carbon dioxide, or appropriate foam. Use agent most appropriate to extinguish fire. **Flash Point:** Not applicable.

**Auto-ignition Temperature:** Not applicable. **Hazardous combustion products:** Carbon oxides, nitrogen oxides (NOx)

### SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

**General Information:** Use proper PPE as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

### SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. **Storage:** Store in a tightly closed container in a cool, dry, well-ventilated area away from incompatibles.

### SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

<u>Chemical Nam</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>IARC</u>	<u>OSHA - Final PEL's</u>
Acridlavine Neutral	None listed	None listed	None listed	None listed

**Personal Protective Equipment: Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

### SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

**State:** Powder

**Appearance:** Orange to red to red-brown to dark-red

**Melting Point:** 179 – 181° C (354-358°F)

**Decomp Temp:** No data

**Solubility:** Soluble in water.

**Density:** Not available.

### SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

**Chemical Stability:** Stable at room temp. in closed containers under normal storage & handling conditions.

**Conditions to Avoid:** Dust generation, excess heat, incompatible material, strong oxidants.

**Incompatibilities:** oxidizing agents.

**Hazardous Decomposition Products:** see section 5

## SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

**RTECS:** AR9660000 **LD50/LC50:** Not available.

**Carcinogenicity:** CAS#8048-52-0: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

## SECTION 12. ----- ECOLOGICAL INFORMATION -----

**Toxicity:** Toxic to aquatic life.

## SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed. **RCRA U-Series:** None listed.

## SECTION 14. ----- TRANSPORT INFORMATION -----

### DOT (US)

Not regulated

### IMDG

UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (Acriflavine neutral), 9, III

### IATA

UN 3077, Environmentally hazardous substance, solid, n.o.s., (Acriflavine neutral), 9, III

## SECTION 15. ----- REGULATORY INFORMATION -----

**SARA 311/312:** Acute Health hazard

**SARA Section 302** None of the chemicals in this product have a TPQ/RQ.

**Section 313** No chemicals are reportable under Section 313.

**STATE** CAS#8048-52-0 is not present on state lists from CA, PA, MA, MN, FL, or NJ.

**PA Right to Know:** Acriflavine neutral CAS#8048-52-0 **NJ Right to Know:** Acriflavine neutral CAS#8048-52-0

California No Significant Risk Level: None of the chemicals in this product are listed.

**EUROPEAN/INTERNATIONAL REGULATIONS European Labeling in Accordance with EC Directives**

**Hazardous Symbols:** XI **WGK (Water Danger/Protection)** CAS# 8048-52-0: No information available.

**Canada - DSL/NDL** CAS#8048-52-0 is not listed on Canada's DSL List.

**Canada - WHMIS** This product has a WHMIS classification D2B

CAS#8048-52-0 is not listed on Canada's Ingredient Disclosure List.

## SECTION 16. ----- OTHER INFORMATION -----

Further information: no limited for paper copy, just for internal uses.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

### Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 04-Jul-2019

**End of SDS**