Material Safety Data Sheet
Buffer Solution, pH 7.00, Color-Coded Yellow, Certified
MSDS# 91989

Section 1 - Chemical Product and Company Identification

MSDS Name:
Buffer Solution, pH 7.00, Color-Coded Yellow, Certified
Catalog Numbers:
AC611060040, AC611065000
Synonyms:
None.
Company Identification:

Acros Organics BVBA
Janssen Pharmaceuticalaan 3a
2440 Geel, Belgium
Company Identification: (USA)Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410
For information in the US, call:
800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US:201-796-7100
CHEMTREC Phone Number, US:
800-424-9300
CHEMTREC Phone Number, Europe:
703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 1310-73-2
Chemical Name: Sodium hydroxide
%: 0.1
EINECS#: 215-185-5
Hazard Symbols: C
Risk Phrases: 35

CAS#: 1934-21-0
Chemical Name: FD&C Yellow 5
%: 0.0-0.02
EINECS#: 217-699-5
Hazard Symbols:
Risk Phrases:

CAS#: 7732-18-5
Chemical Name: Water
%: 99.18
EINECS#: 231-791-2
Hazard Symbols:
Risk Phrases:

CAS#: 7778-77-0
Chemical Name: Potassium phosphate monobasic
%: 0.7
EINECS#: 231-913-4
Hazard Symbols:
Risk Phrases:

Text for R-phrases: see Section 16
Hazard Symbols:
None listed
Risk Phrases:
None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Caution! This is expected to be a low hazard for usual industrial handling. May cause irritation.
Target Organs: None.
Potential Health Effects
Eye:
May cause mild eye irritation.
Skin:
Non-irritating to the skin. Low hazard for usual industrial handling.
Ingestion:
Low hazard for usual industrial handling. May cause gastric disturbances and electrolytic imbalance.
Inhalation:
May cause respiratory tract irritation. Low hazard for usual industrial handling.
Chronic:
None

Section 4 - First Aid Measures

Eyes:
Gently lift eyelids and flush continuously with water. If irritation develops, get medical aid.
Skin:
Flush skin with plenty of water for at least 15 minutes while

removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion:
If victim is conscious and alert, give 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur.
Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Get medical aid if cough or other symptoms appear.
Notes to Physician:

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. Substance is noncombustible.
Extinguishing Media:
Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
Autoignition Temperature:Not applicable.
Flash Point:Not applicable.
Explosion Limits: Lower:Not available
Explosion Limits: Upper:Not available
NFPA Rating:
health: 1; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General Information:
Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:
Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

Handling:
Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid contact with eyes. Keep container tightly closed. Use with adequate ventilation.
Storage:
Store in a cool, dry place. No special precautions indicated.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:
Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium hydroxide	2 mg/m3 Ceiling	10 mg/m3 IDLH	2 mg/m3 TWA
FD&C Yellow 5	none listed	none listed	none listed
Water	none listed	none listed	none listed
Potassium phosphate monobasic	none listed	none listed	none listed

OSHA Vacated PELs:
Sodium hydroxide:
None listed
FD&C Yellow 5:
None listed
Water:
None listed
Potassium phosphate monobasic:
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:
Protective garments not normally required.
Clothing:
Protective garments not normally required.
Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Color: yellow
Odor: odorless
pH: 7.00 @ 25C
Vapor Pressure: 760 mm Hg @ 20C
Vapor Density: Not available
Evaporation Rate: Not available

Viscosity: Not available
Boiling Point: 212 deg F (100.00&C)
Freezing/Melting Point: 32 deg F (0.00&C)
Decomposition Temperature: Not available
Solubility in water: Soluble
Specific Gravity/Density: 1.0
Molecular Formula: Mixture
Molecular Weight: 0

Buffer Solution, PH 7

Section 10 - Stability and Reactivity

Chemical Stability:
Stable.
Conditions to Avoid:
None reported.
Incompatibilities with Other Materials
Not available
Hazardous Decomposition Products
None.
Hazardous Polymerization
Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 1310-73-2: WB4900000
CAS# 1934-21-0: UQ6400000
CAS# 7732-18-5: ZC0110000
CAS# 7778-77-0: TC6615500
LD50/LC50:
RTECS: CAS# 1310-73-2: Draize test, rabbit, eye: 400 ug Mild; Draize test, rabbit, eye: 1% Severe; Draize test, rabbit, eye: 50 ug/24H Severe; Draize test, rabbit, eye: 1 mg/24H Severe; Draize test, rabbit, skin: 500 mg/24H Severe;.
RTECS: CAS# 1934-21-0: Oral, mouse: LD50 = 12750 mg/kg;.
RTECS: CAS# 7732-18-5: Oral, rat: LD50 = >90 mL/kg;.
RTECS: CAS# 7778-77-0: Skin, rabbit: LD50 = >4640 mg/kg;.
Carcinogenicity:
Sodium hydroxide -
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
FD&C Yellow 5 -
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Water -
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Potassium phosphate monobasic -
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Epidemiology:
Not available
Teratogenicity:
Not available
Reproductive:
Not available
Neurotoxicity:
Not available
Mutagenicity:
Not available
Other:
Not available

Section 12 - Ecological Information

Other:

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

US DOT
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:
USA RQ: CAS# 1310-73-2: 1000 lb final RQ; 454 kg final RQ

Section 15 - Regulatory Information

Federal
TSCA
CAS# 1310-73-2 is listed on the TSCA Inventory.
CAS# 1934-21-0 is listed on the TSCA Inventory.
CAS# 7732-18-5 is listed on the TSCA Inventory.
CAS# 7778-77-0 is listed on the TSCA Inventory.
Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 1310-73-2: 1000 lb final RQ; 454 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 1310-73-2: acute, reactive.
CAS # 1934-21-0: acute.
CAS # 7778-77-0: acute.
Section 313
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 1310-73-2 is listed as a Hazardous Substance under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
STATE
Sodium hydroxide can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.
FD&C Yellow 5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.
Water is not present on state lists from CA, PA, MN, MA, FL, or NJ.
Potassium phosphate monobasic is not present on state lists from CA, PA, MN, MA, FL, or NJ.
California Prop 65
California No Significant Risk Level:
None of the chemicals in this product are listed.
European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:Not available
Risk Phrases:
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.
WGK (Water Danger/Protection)
CAS# 1310-73-2: 1
CAS# 1934-21-0: 1
CAS# 7732-18-5: Not available
CAS# 7778-77-0: 1
Canada
CAS# 1310-73-2 is listed on Canada's DSL List
CAS# 1934-21-0 is listed on Canada's DSL List
CAS# 7732-18-5 is listed on Canada's DSL List
CAS# 7778-77-0 is listed on Canada's DSL List
Canadian WHMIS Classifications: Not available
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
CAS# 1310-73-2 is listed on Canada's Ingredient Disclosure List
CAS# 1934-21-0 is not listed on Canada's Ingredient Disclosure List.
CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.
CAS# 7778-77-0 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date:
11/05/2001
Revision #2 Date
10/05/2004
The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.