Catalog Numbers:
Synonyms:
Company Identification:
Company Identification: (USA)
For information in the US, call:
For information in Europe, call:
Emergency Number, Europe:
Emergency Number US:
CHEMTREC Phone Number, US:
CHEMTREC Phone Number, Euro
CAS#:
Chemical Name:
%:
EINECS#:
Hazard Symbols:

Material Safety Data Sheet Nicotinamide-N-Oxide, 98%

MSDS# 20998

MSDS Name:

er, Europe: Section 2 - Composition, Information on Ingredients 1986-81-8 Nicotinamide-N-Oxide 98% 217-859-4 None listed None listed

Section 3 - Hazards Identification EMERGENCY OVERVIEW

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If

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.

Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures

Section 7 - Handling and Storage Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated

Section 8 - Exposure Controls, Personal Protection

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a

Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if

Physical State: Powder

Section 9 - Physical and Chemical Properties

Color: white

Vapor Pressure: Not available Vapor Density: Not available Evaporation Rate: Not available

Decomposition Temperature: Not available

Specific Gravity/Density:

Not available

nitrogen gas.

CAS# 1986-81-8: None listed

RTECS: Not available.

No information found No information found

No information found

No information found No information found

Not available

Shipping Name: Not regulated as a hazardous material

Has not been reported.

Solubility in water: Not available

Molecular Formula: C6H6N2O2 Molecular Weight: 138.13

Section 10 - Stability and Reactivity

Section 11 - Toxicological Information

Section 12 - Ecological Information

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

Section 14 - Transport Information

Section 15 - Regulatory Information

None of the chemicals are on the Health & Safety Reporting List.

None of the chemicals in this material have a SNUR under TSCA.

None of the chemicals are listed under TSCA Section 12b.

None of the chemicals in this material have an RQ.

None of the chemicals in this product have a TPQ.

No chemicals are reportable under Section 313.

None of the chemicals in this product are listed.

and the MSDS contains all of the information required by those regulations.

CAS# 1986-81-8 is not listed on Canada's Ingredient Disclosure List.

company has been advised of the possibility of such damages.

None of the chemicals in this product are under a Chemical Test Rule.

This material does not contain any hazardous air pollutants. This material does not contain any

None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of

Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors. None of the chemicals in this product are listed as Hazardous Substances under the CWA.

Nicotinamide-N-Oxide is not present on state lists from CA, PA, MN, MA, FL, or NJ.

the chemicals in this product are listed as Toxic Pollutants under the CWA.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations

Section 16 - Other Information

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

MSDS Creation Date: 9/02/1997

Revision #5 Date 10/03/2005

CAS# 1986-81-8 is not listed on the TSCA Inventory. It is for research and development

Nicotinamide-N-Oxide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Incompatible materials, dust generation, excess heat, strong oxidants.

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide,

Stable under normal temperatures and pressures.

Viscosity: Not available Boiling Point: Not available Freezing/Melting Point: 291.00 - 293.00 deg C

Odor: Not available pH: Not available

Handling: ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep

|-----| | Nicotinamide-N-Oxid|none listed | none listed | none listed

protection regulations in 29 CFR 1910.133 or European Standard EN166.

Wear appropriate protective gloves to prevent skin exposure.

Wear appropriate protective clothing to minimize contact with skin.

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

Use proper personal protective equipment as indicated in Section 8.

Section 1 - Chemical Product and Company Identification

AC128280000, AC128280100

Acros Organics BVBA Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium Acros Organics

One Reagent Lane Fair Lawn, NJ 07410

800-ACROS-01

+32 14 57 52 11 +32 14 57 52 99 201-796-7100

800-424-9300

703-527-3887

Nicotinamide-N-Oxide, 98%

None Known.

Section 4 - First Aid Measures

Risk Phrases: Caution! The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Target Organs: No data found. Potential Health Effects May cause eye irritation. May cause skin irritation. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. May cause respiratory tract irritation. The toxicological properties of this substance have not been fully

breathing is difficult, give oxygen. Get medical aid.

Eye: Skin: Inhalation: investigated. No information found. Chronic:

appropriate foam.

NFPA Rating: health: 1; flammability: 0; instability: 0;

container tightly closed. Avoid ingestion and inhalation.

adequate ventilation to keep airborne concentrations low.

irritation or other symptoms are experienced.

area away from incompatible substances.

OSHA Vacated PELs: Nicotinamide-N-Oxide: None listed

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

ventilation.

e

Explosion Limits: Lower: Not available

Explosion Limits: Not available Upper:

Ingestion:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get

Eyes:

medical aid.

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated Skin: clothing and shoes. Wash clothing before reuse.

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If Ingestion: conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Notes to Physician:

General

Media:

General

Information:

Spills/Leaks:

Storage:

Engineering Controls:

Personal Protective Equipment

Exposure Limits

Eyes:

Skin:

Clothing:

Chemical Stability:

Materials

Products

RTECS#:

LD50/LC50:

Carcinogenicity: Epidemiology:

Teratogenicity: Reproductive:

Neurotoxicity:

Mutagenicity:

Other:

Not available

listed.

US DOT

Hazard Class: UN Number: Packing Group: Canada TDG

Hazard Class: UN Number: Packing Group:

US Federal

TSCA

use only.

Health & Safety Reporting

TSCA Significant New Use

Chemical Test Rules

CERCLA Hazardous

Substances and corresponding RQs SARA Section 302 Extremely Hazardous

Substances Section 313

Clean Air Act:

Clean Water Act:

California Prop 65

California No Significant

Canada

European/International Regulations

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 1986-81-8: Not available

European Labeling in Accordance with EC Directives

S 24/25 Avoid contact with skin and eyes.

Canadian WHMIS Classifications: Not available

Hazard Symbols:Not available

OSHA: STATE

Risk Level:

Section 12b

Shipping Name: Not available

Conditions to Avoid:

Incompatibilities with Other

Hazardous Decomposition

Hazardous Polymerization

Information:

Extinguishing