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CAT NO: AC153635000

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**** MATERIAL SAFETY DATA SHEET ****

Acetamide, 99%
95709

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Acetamide, 99%

Catalog Numbers:

AC153630000, AC153630020, AC153630050, AC153631000, AC153635000

Synonyms:

Acetic acid amide

Company Identification: Acros Organics N.V.

One Reagent Lane

Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
60-35-5	ACETAMIDE	100	200-473-5

Hazard Symbols: XN
Risk Phrases: 40

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: Not available.

Caution! Hygroscopic. Cancer suspect agent. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May cause cancer based on animal studies.
Target Organs: None.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

Causes mild skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Possible cancer hazard based on tests with laboratory animals. May cause cancer according to animal studies.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

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

Skin:

Flush skin with plenty of soap and 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.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

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. Dusts may be combustible when exposed to heat, flame, or oxidizing agents. Dust can be an explosion hazard when exposed to heat or flame.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Water or foam may cause frothing. Use water spray to cool fire-exposed containers.

Autoignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating: Not published.

Explosion Limits, Lower: Not available.

Upper: Not available.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

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General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Ground and bond containers when transferring material. Avoid contact with skin and eyes. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage:

Keep away from sources of ignition. Store in a dry area. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
ACETAMIDE	none listed	none listed	none listed

OSHA Vacated PELs:

ACETAMIDE:

No OSHA Vacated PELs are listed for this chemical.

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 gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize contact with skin.

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 ****

Physical State:

Solid

Appearance:

Not available.

Odor:

Mousy odor.

pH:

Not available.

Vapor Pressure:

Negligible.

Vapor Density:

2

Evaporation Rate:

Negligible.

Viscosity:

Not available.

Boiling Point:

221 deg C @ 760.00mm Hg

Freezing/Melting Point:

78 - 81 deg C

Decomposition Temperature:

Not available.

Solubility:

220 G/L WATER (20&C)

Specific Gravity/Density:

Not available.

Molecular Formula:

C2H5NO

Molecular Weight:

59.06

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

Stable.

Conditions to Avoid:

Ignition sources, excess heat, electrical sparks.

Incompatibilities with Other Materials:

Strong oxidizers, metals, halogenated materials.

Hazardous Decomposition Products:

Carbon monoxide, oxides of nitrogen, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:

CAS# 60-35-5: AB4025000

LD50/LC50:

CAS# 60-35-5: Oral, mouse: LD50 = 12900 mg/kg; Oral, rat: LD50 = 7

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gm/kg.
 Carcinogenicity:
 ACETAMIDE -
 California: carcinogen - initial date 1/1/90
 OSHA: Possible Select carcinogen
 IARC: Group 2B carcinogen
 Epidemiology:
 No data available.
 Teratogenicity:
 No data available.
 Reproductive Effects:
 No data available.
 Neurotoxicity:
 No data available.
 Mutagenicity:
 No data available.
 Other Studies:
 No data available.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:
 Not available.
 Environmental Fate:
 Not available.
 Physical/Chemical:
 Not available.
 Other:
 Not available.

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.
 RCRA D-Series Maximum Concentration of Contaminants:
 None listed.
 RCRA D-Series Chronic Toxicity Reference Levels: None listed.
 RCRA F-Series: None listed.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT
 No information available
 IMO
 Not regulated as a hazardous material.
 IATA
 Not regulated as a hazardous material.
 RID/ADR
 Not regulated as a hazardous material.
 Canadian TDG
 No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

US FEDERAL

TSCA
 CAS# 60-35-5 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.
 SARA
 Section 302 (RQ)
 CAS# 60-35-5: final RQ = 100 pounds (45.4 kg)
 Section 302 (TPQ)
 None of the chemicals in this product have a TPQ.
 SARA Codes
 CAS # 60-35-5: chronic.
 Section 313
 This material contains ACETAMIDE (CAS# 60-35-5, 100%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
 Clean Air Act:
 CAS# 60-35-5 is listed as a hazardous air pollutant (HAP).
 This material does not contain any Class 1 Ozone depleters.
 This material does not contain any Class 2 Ozone depleters.
 Clean Water Act:
 None of the chemicals in this product are listed as Hazardous Substances 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.

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OSHA:
 None of the chemicals in this product are considered highly hazardous by OSHA.

STATE
 ACETAMIDE can be found on the following state right to know lists:
 California, New Jersey, Pennsylvania, Minnesota, Massachusetts.
 The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
 WARNING: This product contains ACETAMIDE, a chemical known to the state of California to cause cancer.
 California No Significant Risk Level:
 CAS# 60-35-5: no significant risk level = 10 ug/day
 European/International Regulations
 European Labeling in Accordance with EC Directives
 Hazard Symbols: XN
 Risk Phrases:
 R 40 Possible risks of irreversible effects.
 Safety Phrases:
 S 36/37 Wear suitable protective clothing and gloves.
 WGK (Water Danger/Protection)
 CAS# 60-35-5: 1
 Canada
 CAS# 60-35-5 is listed on Canada's DSL/NDSL List.
 WHMIS: Not available.
 CAS# 60-35-5 is not listed on Canada's Ingredient Disclosure List.
 Exposure Limits
 CAS# 60-35-5: OEL-FINLAND;Carcinogen. OEL-GERMANY;Carcinogen

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 1/11/1996 Revision #4 Date: 8/24/1997

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability 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 way shall Fisher 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 Fisher has been advised of the possibility of such damages.