

# ACROS ORGANICS

## Material Safety Data Sheet

Creation Date 24-Jun-2009

Revision Date 23-Sep-2009

Revision Number 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name**

Aluminium-nickel, Raney-type alloy, powder

*Analogy*

**Cat No.**

AC206230000; AC206230050; AC206231000; AC206235000

**Synonyms**

Raney-type alloy for the preparation of Raney Nickel catalyst.

**Recommended Use**

Laboratory chemicals

**Company**

Fisher Scientific  
One Reagent Lane  
Fair Lawn, NJ 07410  
Tel: (201) 796-7100

**Entity / Business Name**

Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

**Emergency Telephone Number**

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

### 2. HAZARDS IDENTIFICATION

**WARNING!**

**Emergency Overview**

Water reactive. Contact with water liberates extremely flammable gases. Limited evidence of a carcinogenic effect. May cause allergic respiratory and skin reaction. May cause skin, eye, and respiratory tract irritation.

**Appearance** Grey

**Physical State** Powder

**odor** odorless

**Target Organs**

Skin, Respiratory system

**Potential Health Effects**

**Acute Effects**

**Principle Routes of Exposure**

<b>Eyes</b>	May cause irritation.
<b>Skin</b>	May cause irritation. May be harmful in contact with skin. May produce an allergic reaction.
<b>Inhalation</b>	May cause irritation of respiratory tract. May be harmful if inhaled. May cause allergic respiratory reaction.
<b>Ingestion</b>	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic Effects</b>	Limited evidence of a carcinogenic effect.. Repeated contact may cause allergic reactions in very susceptible persons.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Component	CAS-No	Weight %
Nickel alloy, base , Ni,Al	12635-29-9	100

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.
<b>Ingestion</b>	Do not induce vomiting. Obtain medical attention.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	No information available.
<b>Method</b>	No information available.
<b>Autoignition Temperature</b>	No information available.
<b>Explosion Limits</b>	
<b>Upper</b>	No data available
<b>Lower</b>	No data available
<b>Suitable Extinguishing Media</b>	Dry chemical.
<b>Unsuitable Extinguishing Media</b>	DO NOT USE WATER, FOAM OR CO2.
<b>Hazardous Combustion Products</b>	No information available.
<b>Sensitivity to mechanical impact</b>	No information available.
<b>Sensitivity to static discharge</b>	No information available.

**Specific Hazards Arising from the Chemical**

Water reactive. Contact with water liberates extremely flammable gases. Thermal decomposition can lead to release of irritating gases and vapors.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**                      Health 2                      Flammability 1                      Instability 2                      Physical hazards W

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**                      Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing.

**Environmental Precautions**                      Should not be released into the environment.

**Methods for Containment and Clean Up**                      Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not expose spill to water.

**7. HANDLING AND STORAGE**

**Handling**                      Use only under a chemical fume hood. Avoid dust formation. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not allow contact with water. Do not get water inside containers.

**Storage**                      Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from water. Keep under nitrogen. Flammables area.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Measures**                      Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.

**Exposure Guidelines**                      This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Personal Protective Equipment**

**Eye/face Protection**

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 and body protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory Protection**

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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State**  
**Appearance**  
**odor**

Powder  
Grey  
odorless

## 9. PHYSICAL AND CHEMICAL PROPERTIES

odor Threshold	No information available.
pH	No information available.
Vapor Pressure	No information available.
Vapor Density	No information available.
Viscosity	No information available.
Boiling Point/Range	No information available.
Melting Point/Range	1350°C / 2462°F
Decomposition temperature °C	No information available.
Flash Point	No information available.
Evaporation Rate	No information available.
Specific Gravity	3.460
Solubility	Insoluble in water
log Pow	No data available
Molecular Weight	85.68
Molecular Formula	Al Ni

## 10. STABILITY AND REACTIVITY

Stability	Water reactive. Moisture sensitive. Air sensitive.
Conditions to Avoid	Avoid dust formation. Incompatible products. Excess heat. Exposure to air. Exposure to moist air or water.
Incompatible Materials	Strong oxidizing agents, Strong acids
Hazardous Decomposition Products	Hydrogen, Thermal decomposition can lead to release of irritating gases and vapors
Hazardous Polymerization	No information available.
Hazardous Reactions	Contact with water liberates extremely flammable gases.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Product Information No acute toxicity information is available for this product

### Component Information

Irritation No information available.

Toxicologically Synergistic Products No information available.

### Chronic Toxicity

Carcinogenicity Limited evidence of a carcinogenic effect.

Sensitization	May cause sensitization by inhalation and skin contact
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Teratogenicity	No information available.
Other Adverse Effects	The toxicological properties have not been fully investigated..
Endocrine Disruptor Information	No information available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Do not empty into drains.

Persistence and Degradability	No information available
Bioaccumulation/ Accumulation	No information available
Mobility	No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## 14. TRANSPORT INFORMATION

### DOT

UN-No	UN2813
Proper Shipping Name	WATER-REACTIVE SOLID, N.O.S.
Proper technical name	Nickel alloy, base , Ni,Al
Hazard Class	4.3
Packing Group	II

### TDG

UN-No	UN2813
Proper Shipping Name	WATER-REACTIVE SOLID, N.O.S.
Hazard Class	4.3
Packing Group	II

**14. TRANSPORT INFORMATION**

.TA

UN-No UN3208  
 Proper Shipping Name Metallic substance, water-reactive, n.o.s  
 Hazard Class 4.3  
 Packing Group III

IMDG/IMO

UN-No UN3208  
 Proper Shipping Name Metallic substance, water-reactive, n.o.s  
 Hazard Class 4.3  
 Packing Group III

**15. REGULATORY INFORMATION**

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
Nickel alloy, base , Ni,Al	-	-	-	-	-	-	-	-	X	-	-

Legend:

- X - Listed
- E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
- F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- P - Indicates a commenced PMN substance
- R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
- T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
- XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).
- Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
- Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard No  
 Chronic Health Hazard Yes  
 Fire Hazard Yes  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard Yes

**Clean Water Act**  
Not applicable

**Clean Air Act**  
Not applicable

**OSHA**  
Not applicable

**CERCLA**  
Not Applicable

**California Proposition 65**  
This product does not contain any Proposition 65 chemicals.

**State Right-to-Know**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Nickel alloy, base, Ni,Al	-	-	-	-	X

**U.S. Department of Transportation**  
Reportable Quantity (RQ): N  
DOT Marine Pollutant N  
DOT Severe Marine Pollutant N

**U.S. Department of Homeland Security**  
This product does not contain any DHS chemicals.

**Other International Regulations**

**Mexico - Grade** No information available

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**  
B6 Reactive flammable material  
D2A Very toxic materials  
D2B Toxic materials



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**16. OTHER INFORMATION**

**Prepared By** Regulatory Affairs  
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**Revision Summary** "\*\*\*\*", and red text indicates revision

**Disclaimer**

The information provided on this Safety Data Sheet 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.

End of MSDS