

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/10/2010

Revised On 12/10/2010

1 Identification of the substance and manufacturer

Trade name: ECK

Product code: VE00010000

Manufacturer/Supplier: VAN NAY
P.O. BOX 17
SOUTH ELGIN, IL 60177
p.847-931-7899, www.vannay.com

Information department: Health & Safety Department

Emergency telephone number: CHEMTEL 1-800-255-3924, 813-248-0585 *if located outside the U.S.*



2 Composition/information on ingredients

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

64742-95-6	Solvent naphtha (petroleum), light aromatic	25.35%
7440-66-6	zinc powder	24.62%
142-82-5	heptane	19.03%
74-98-6	propane	15.74%
106-97-8	n-butane	9.25%

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Irritant

Irritating to eyes and respiratory system.



Extremely flammable

Extremely flammable.

Hazard information for people and the environment:

Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.
Has narcotizing effect.

Risk phrases:

Extremely flammable.
Irritating to eyes and respiratory system.

Safety phrases:

Keep locked up and out of the reach of children.
Keep away from sources of ignition - No smoking.
Do not breathe gas/fumes/vapour/spray.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
In case of insufficient ventilation, wear suitable respiratory equipment.

Special labeling:

Do not spray on a naked flame or any incandescent material.
Buildup of explosive mixtures possible without sufficient ventilation.

Effects of chronic overexposure:

May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA ratings (0 - 4):

Health = 1
Fire = 4
Reactivity = 3

HMIS-ratings (0 - 4):

Health= 1
Fire= 4
Physical Hazard= 3

4 First aid measures

After inhalation: If breathing is difficult, administer oxygen.

After skin contact: Remove contaminated clothing. Wash exposed area with soap and water.

After eye contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Contact physician or poison control center.

5 Firefighting measures

Extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

Special hazards: No further relevant information available.

Protective equipment: No special measures required.

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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Do not allow product to reach sewage systems or ground water.

Methods and material for containment and cleaning up: Ensure adequate ventilation.

7 Handling and storage

Fire/explosion protection: Do not smoke. Protect from electrostatic charges. Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.

Conditions for safe storage:

Storage requirements: Observe pressurized container storage regulations. Consult with your local authorities.

8 Exposure controls/personal protection

Components with limit values that require monitoring at the workplace:

142-82-5 heptane

PEL	2000 mg/m ³ , 500 ppm
REL	Short-term value: C 1800* mg/m ³ , C 440* ppm Long-term value: 350 mg/m ³ , 85 ppm
TLV	Short-term value: 2050 mg/m ³ , 500 ppm Long-term value: 1640 mg/m ³ , 400 ppm

74-98-6 propane

PEL	1800 mg/m ³ , 1000 ppm
REL	1800 mg/m ³ , 1000 ppm
TLV	Varies mg/m ³ , 1000 ppm

106-97-8 n-butane

REL	1900 mg/m ³ , 800 ppm
TLV	Varies mg/m ³ , 1000 ppm

Hygienic protection: Keep away from foodstuffs and animal feed. Wash hands after use. Store protective clothing separately.

Breathing equipment: A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

Hand protection: Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties

Odor: Solvent

pH-value: Not determined.

Boiling point: -44°C (-47°F)

Flash point: -19°C (-2°F)

Auto igniting: Product is not self-igniting.

Danger of explosion: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit. In use, may form flammable/explosive vapour-air mixture.

Lower Explosion Limit: 0.7 Vol %

Upper Explosion Limit: 10.9 Vol %

Vapor Pressure: 40 PSI, 2750 hPa

Specific Gravity: Between 0.77 and 0.85 (Water equals 1.00)

VOC content: 602.5 g/l / 5.03 lb/gl

VOC content (less exempt solvents): 69.4 %

MIR Value: 1.08

Solids content: 30.3 %

Other information No further relevant information available.

10 Stability and reactivity

Conditions to avoid: Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.

Possibility of hazardous reactions: No dangerous reactions known.

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Hazardous decomposition: No dangerous decomposition products known.

11 Toxicological information

Skin effects: No irritant effect.
Eye effects: Irritating effect.
Sensitization: No sensitizing effects known.

12 Ecological information

Aquatic toxicity: Hazardous for water, do not empty into drains.
Other information: This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), or chlorinated solvents.

13 Disposal considerations

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.
Recommendation: Completely empty cans should be recycled.

14 Transport information

Hazard class: 2.1
Identification number: N/A
Label: 2.1
ADR/RID/TDG class: 2 5F Gases
UN-Number: 1950
Special marking: Symbol (fish and tree)
UN proper shipping name: 1950 AEROSOLS
IMDG Class: 2.1
EMS Number: F-D,S-U
Marine pollutant: Yes
Symbol (fish and tree)
ICAO/IATA Class: 2.1
Proper shipping name: Consumer Commodity ORM-D
Environmental hazards: Product contains environmentally hazardous substances: zinc powder, heptane

15 Regulatory information

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

7440-66-6 | zinc powder

TSCA: All ingredients are listed.

CPSC: This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

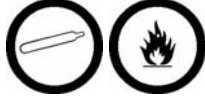
California Proposition 65 chemicals known to cause cancer:

None of the ingredients in this product are listed.

CANADIAN ENVIRONMENTAL PROTECTION ACT: WHMIS Symbols for Canada:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

A - Compressed gas



EPA: A= Known human carcinogen B= Probable human carcinogen
C= Possible human carcinogen
D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).
I: 'Data are inadequate for an assessment of human carcinogeni potential.'
II: 'Inadequate information to assess carcinogenic potential.'

7440-66-6	zinc powder	II
142-82-5	heptane	D

IARC:

Group 2A: The ingredient is probably carcinogenic to humans.
Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.
Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

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ACGIH:

A1-designates a confirmed human carcinogen.
 A2-designates a suspected human carcinogen.
 A3-designates an animal carcinogen.
 A4-designates "not classifiable as a human carcinogen".

NIOSH:

The following substances are regulated in the United States with reference to occupational exposure limits:

Risk phrases: Extremely flammable.
 Irritating to eyes and respiratory system.

Safety phrases: Keep locked up and out of the reach of children.
 Keep away from sources of ignition - No smoking.
 Do not breathe gas/fumes/vapour/spray.
 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
 In case of insufficient ventilation, wear suitable respiratory equipment.

16 Other information

This product was manufactured in the U.S.A.

The information on this sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact: Regulatory Affairs
 vannay@vannay.com

Abbreviations and acronyms:

CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 EPA: Environmental Protection Agency
 IARC: International Agency for the Research of Cancer
 NIOSH: National Institute for Occupational Safety and Health
 TSCA: Toxic Substances Control Act
 CPSC: Consumer Product Safety Commission
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 P: Marine Pollutant
 ISO: International Organization for Standardization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 PP: Severe Marine Pollutant

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