1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

Contact: Ligia M. Hernandez
Phone: 504-733-1152
Fax: 504-733-2218
Web: www.wechem.com

Product Identifier: Zinkote
SDS Number: A260A
Product Code: A260
Revision Date: 9/15/2021
Product Use: Instant Cold Galvanizing Compound

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 1
Health, Aspiration hazard, 1
Health, Skin corrosion/irritation, 2
Health, Acute toxicity, 4 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Reproductive toxicity, 2
Health, Specific target organ toxicity - Repeated exposure, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Carcinogenicity, 2
Physical, Gases Under Pressure, Liquefied Gas
Environmental, Hazards to the aquatic environment - Acute, 3
Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:

H222 - Extremely flammable aerosol
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure.
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer.
H280 - Contains gas under pressure; may explode if heated

H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 - Do not spray on an open flame or other igntion source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
P302+352 - IF ON SKIN: Wash with plenty of water.
P304+340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do Continue rinsing.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Ingestion,Inhalation, skin absorption, eye

Target Organs: May cause damage to organs through prolonged or repeated exposure.

Inhalation: May cause damage to organs through prolonged or repeated exposure. May cause drowsiness and dizziness. Headache.Nausea, vomiting.

Skin Contact: May cause skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serioius chemical pneumonia.

8.486% of the mixture consists of ingredient(s) of unknown toxicity

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

CAS#	%	Chemical Name:
67-64-1	35-40%	Acetone
7440-66-6	15-20%	Zinc
74-98-6	10-15%	Propane
106-97-8	5-10%	n-Butane
64742-47-8	5-10%	Distillates, petroleum, hydrotreated light
14807-96-6	1-5%	Magnesium Silicate
108-88-3	1-5%	Toluene
64742-94-5	<1%	Solvent naphtha, petroleum, heavy arom.
100-41-4	<1%	Ethylbenzene

4 FIRST AID MEASURES

Inhalation: If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artifical respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment

advise.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advise.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Contains petroleum distillates, do not induce vomiting because of aspiration pneumonia hazard.

5 FIRE FIGHTING MEASURES

Flammability: Extremely Flammable

Flash Point: Not Available. This is an aerosol product for which the Flame Projection is over 18 inches with an 8 inch Flashback. Temperatures above 120 F ay cause cans to burst.

Suitable extinguishing media: Dry chemical, CO2 or water spray.

Unsuitable extinguishing media: Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical:
This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

Hazardous combustion products: Thermal decomposition may yield gases like nitrogen oxides, carbon monoxide and carbon dioxide.

Explosion data
Sensitivity to Mechanical Impact: Contents under pressure. This product is extremely flammable. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Sensitivity to Static Discharge: Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

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.

6 ACCIDENTAL RELEASE MEASURES

Use in well-ventilated area ONLY. NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully for respirator use.

For emergency responders: Remove all sources of ignition.

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment: Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Methods for cleaning up: Clean contaminated surface thoroughly.

7 HANDLING AND STORAGE

Handling Precautions: Handle as an extremely flammable material. Avoid contact with skin, eyes and clothing. Store cans in a cool, dry place away from heat and open flame.

Storage Requirements: Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). AEROSOL STORAGE LEVEL III (NFPA-30B).

Incompatible Materials: Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use with adequate general or local exhaust ventilation. Use in a well-ventilated area only .

Personal Protective Equipment: HMIS PP, B | Safety Glasses, Gloves
Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection:
Hand protection: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other : Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection: Use in well-ventilated area ONLY. NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully for respirator use.

Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Acetone cas#:(67-64-1) [35-40%]

Components with workplace control parameters

TWA 500 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Hematologic effects
Substances for which there is a Biological Exposure Index or Indices (see BEI section)
Not classifiable as a human carcinogen

STEL 750 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Hematologic effects
Substances for which there is a Biological Exposure Index or Indices (see BEI section)
Not classifiable as a human carcinogen

STEL 1,000 ppm 2,400 mg/m3 USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.

TWA 1,000 ppm 2,400 mg/m3 — USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 250 ppm 590 mg/m3 — USA. NIOSH Recommended Exposure Limits

TWA 750 ppm 1,800 mg/m3 — USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Propane cas#:(74-98-6) [10-15%]

Components with workplace control parameters

TWA 1,000 ppm — USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment
Cardiac sensitization

TWA 1,000 ppm 1,800 mg/m3 — USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 1,000 ppm 1,800 mg/m3 — USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 1,000 ppm 1,800 mg/m3 — USA. NIOSH Recommended Exposure Limits

n-Butane cas#:(106-97-8) [5-10%]

Components with workplace control parameters

TWA 800 ppm 1,900 mg/m3 — USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 1,000 ppm — USA. ACGIH Threshold Limit Values (TLV)

TWA 1,000 ppm — USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Cardiac sensitization

TWA 800 ppm 1,900 mg/m3 — USA. NIOSH Recommended Exposure Limits
Also see specific listing for Isobutane.

Talc (Mg3H2(SiO3)4) cas#:(14807-96-6) [1-5%]

Components with workplace control parameters

TWA 20Million particles per — USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. Containing less than 1% quartz; if 1% quartz or more, use quartz limit. mppcf X 35.3 = million particles per cubic meter = particles per c.c

TWA 2 mg/m3 — USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 2 mg/m3 — USA. NIOSH Recommended Exposure Limits

TWA 2 mg/m3 USA. ACGIH Threshold Limit Values (TLV)
Lower Respiratory Tract irritation The value is for particulate matter containing no asbestos and < 1% crystalline silica Not classifiable as a human carcinogen

Toluene cas#:(108-88-3) [1-5%]

Components with workplace control parameters

TWA 100 ppm 375 mg/m3 USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

STEL 150 ppm 560 mg/m3 USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 200 ppm USA. Occupational Exposure Limits (OSHA) - Table Z2
Z37.12- 1967

CEIL 300 ppm USA. Occupational Exposure Limits (OSHA) - Table Z2
Z37.12- 1967

Peak 500 ppm USA. Occupational Exposure Limits (OSHA) - Table Z2
Z37.12- 1967

TWA 20 ppm USA. ACGIH Threshold Limit Values (TLV)
Visual impairment
Female reproductive
Pregnancy loss
2010 Adoption
Substances for which there is a Biological Exposure Index or Indices (see BEI section)
Not classifiable as a human carcinogen

TWA 100 ppm 375 mg/m3 USA. NIOSH Recommended Exposure Limits

ST 150 ppm 560 mg/m3 USA. NIOSH Recommended Exposure Limits

Ethylbenzene cas#:(100-41-4) [<1%]

Components with workplace control parameters

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans

STEL 125 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans

TWA 100 ppm 435 mg/m3 USA. NIOSH Recommended Exposure Limits

ST	125 ppm 545 mg/m3	USA. NIOSH Recommended Exposure Limits
TWA	100 ppm 435 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z- 1 Limits for Air Contaminants

The value in mg/m3 is approximate.

TWA	100 ppm 435 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
STEL	125 ppm 545 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark Grey Paint		
Physical State:	Aerosol	**Odor:**	Solvent
Spec Grav./Density:	1.057 (concentrate)	**Solubility:**	Insoluble in water
Boiling Point:	Acetone 133 °F (56 °C)	**Freezing/Melting Pt.:**	Not Applicable
Vapor Pressure:	50 psig @ 70F estimated	**Flash Point:**	Not Available. This is an aerosol product for which the Flame Projection is over 18 inches with an 8 inch Flashback. Temperatures above 120 F ay cause cans to burst.
pH:	Not applicable	**Vapor Density:**	Not available
Evap. Rate:	> Buty Acetate	**VOC:**	36.30%
		Auto-Ignition Temp:	Not Available
		UFL/LFL:	Not available

10 STABILITY AND REACTIVITY

Reactivity:	Stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Conditions to Avoid:	Avoid temperatures above 122 °F (50 °C).
Materials to Avoid:	Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.
Hazardous Decomposition:	Thermal decomposition may yield gases like nitrogen oxides, carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Does not occur.

11 TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Acetone cas#:(67-64-1) [35-40%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - 5,800 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Tremor.
LC50 Inhalation - rat - 8 h - 50,100 mg/m3
Inhalation: no data available

LD50 Dermal - guinea pig - 7,426 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: AL3150000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Kidney - Irregularities - Based on Human Evidence

Zinc cas#:(7440-66-6) [15-20%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: Did not cause sensitization on laboratory animals.

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as
probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: ZG8600000

Propane cas#:(74-98-6) [10-15%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: TX2275000

Dizziness, Drowsiness, Unconsciousness

n-Butane cas#:(106-97-8) [5-10%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50 LC50 Inhalation - rat - 4 h - 658,000 mg/m3
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Central nervous system depression, giddiness, Shortness of breath, narcosis, Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite., Exposure can cause numbness, tingling, and weakness in extremities., Cyanosis, Pulmonary edema. Effects may be delayed., Abdominal pain, Nausea, Vomiting

Synergistic effects: no data available

Additional Information:

RTECS: EJ4200000

Magnesium Silicate cas#:(14807-96-6) [1-5%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: Skin - Human - Mild skin irritation - 3 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
Carcinogenicity - rat - Inhalation:
Tumorigenic:Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration:Bronchiogenic carcinoma. Endocrine:Tumors.

Carcinogenicity - rat - Inhalation:
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors.
This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 1 - Group 1: Carcinogenic to humans (Quartz)
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate)
NTP: Known to be human carcinogen (Quartz)
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
Inhalation - May cause respiratory irritation. - Lungs

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation Toxic if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP.

Synergistic effects: no data available

Additional Information:

RTECS: WW2710000

Toluene cas#:(108-88-3) [1-5%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - > 5,580 mg/kg
LC50 Inhalation - rat - 4 h - 12,500 - 28,800 mg/m3
LD50 Dermal - rabbit - 12,196 mg/kg
no data available

Skin corrosion/irritation: Skin - rabbit Result: Skin irritation - 24 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: rat Liver DNA damage

Carcinogenicity:
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Damage to fetus possible Suspected human reproductive toxicant

Reproductive toxicity - rat - Inhalation:
Paternal Effects: Spermatogenesis (including genetic material, sperm morphology,motility, and count).
Experiments have shown reproductive toxicity effects in male and female laboratory animals.

Developmental Toxicity - rat - Oral:
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: XS5250000

Lung irritation, chest pain, pulmonary edema, Inhalation studies on toluene have demonstrated the development of inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals.
Stomach - Irregularities - Based on Human Evidence

Ethylbenzene cas#:(100-41-4) [<1%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50 LD50 Dermal - rabbit - 15,433 mg/kg
Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.
IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: Central nervous system depression, Nausea, Headache, Vomiting, Ataxia., Tremors

Synergistic effects: no data available

Additional Information:

RTECS: DA0700000

Information on toxicological effects
Symptoms Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure
Skin corrosion/irritation May cause skin irritation and reddening after prolonged or repeated contact with skin.

Serious eye damage/eye irritation Irritating to eyes.

irritation May cause skin and eye irritation.

corrosivity Not applicable.

sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains less than 0.1% naphthalene.

Reproductive toxicity This product contains toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.

Teratogenicity Suspect reproductive hazards. Contains material which may cause birth defects, based on animal data. This product contains toluene.

STOT - single exposure No information available.

STOT - repeated exposure No information available.
Chronic Toxicity Xylene has been associated with kidney and liver disorders. IARC has evaluated and classified ethyl benzene as a possibly human carcinogen (group 2B) based on sufficient evidence of carcinogenicity in animals, but inadequate evidence for cancer in exposed humans.

Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information
Unknown acute toxicity 8.486% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 8594 mg/kg
ATEmix (dermal) 39898 mg/kg
ATEmix (inhalation-gas) 3662 mg/l
ATEmix (inhalation-dust/mist) 41.1 mg/l
ATEmix (inhalation-vapor) 61 mg/l

12 ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Data summary for the components are as follows:

Acetone cas#:(67-64-1) [35-40%]

Information on ecological effects

Toxicity: no data available

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 13,500.00 mg/l - 48 h.
other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Zinc cas#:(7440-66-6) [15-20%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Cyprinus carpio (Carp) - 450 µg/l - 96 h.
Toxicity to daphnia LC50 - Daphnia magna (Water flea) - 0.068 mg/l - 48 h.
and other aquatic invertebrates
mortality NOEC - Daphnia - 0.101 - 0.14 mg/l - 7 d

Persistence and degradability: no data available

Bioaccumulative potential: Bioaccumulation Algae - 7 d at 16 °C Bioconcentration factor (BCF): 466

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.
no data available

Propane cas#:(74-98-6) [10-15%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

n-Butane cas#:(106-97-8) [5-10%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Magnesium Silicate cas#:(14807-96-6) [1-5%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Toluene cas#:(108-88-3) [1-5%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h.
NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h.
other aquatic invertebrates
Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h
Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h.
EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h

Persistence and degradability: Biodegradability Result: - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

Ethylbenzene cas#:(100-41-4) [<1%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Cyprinodon variegatus (sheepshead minnow) - 88.00 mg/l - 96 h.
LC50 - Lepomis macrochirus (Bluegill) - 80.00 mg/l - 96 h
NOEC - Cyprinodon variegatus (sheepshead minnow) - 88 mg/l - 96 h
LC50 - Oncorhynchus mykiss (rainbow trout) - 4.2 mg/l - 96 h
Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 2.90 mg/l - 48 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Chemical name	**Partition coefficient**
Acetone 67-64-1	-0.24
Propane 74-98-6	2.3

n-butane 106-97-8	2.89
Toluene 108-88-3	2.7
Naphtha (petroleum), 64742-94-5 heavy aromatic	2.9 - 6.1
Ethylbenzene 100-41-4	3.2

Other adverse effects No information available

13 DISPOSAL CONSIDERATIONS

Waste treatment methods:
Disposal of wastes: Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

14 TRANSPORT INFORMATION

DOT
UN/ID no Limited Quantity
Proper Shipping Name Consumer Commodity
Hazard Class ORM-D

IATA
UN/ID no UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1

IMDG
UN/ID no UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
Marine pollutant This product contains chemicals that are listed as marine pollutants.

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[35-40%] RQ(5000LBS), Acetone (67-64-1) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, TOXICRCRA, TSCA, TXAIR, TXHWL

[15-20%] RQ(1000LBS), Zinc (7440-66-6) CERCLA, EPCRAWPC, MASS, NJHS, PA, PRIPOL, SARA313, TOXICPOL, TSCA

[10-15%] Propane (74-98-6) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

[5-10%] n-Butane (106-97-8) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

[5-10%] Distillates, petroleum, hydrotreated light (64742-47-8) TSCA

[1-5%] Magnesium Silicate (14807-96-6) MASS, OSHAWAC, PA, TSCA, TXAIR

[1-5%] RQ(1000LBS), Toluene (108-88-3) CERCLA, CSWHS, EPCRAWPC, GADSL, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

[<1%] Solvent naphtha, petroleum, heavy arom. (64742-94-5) TSCA

[<1%] RQ(1000LBS), Ethylbenzene (100-41-4) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

WARNING This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List
EPCRAWPC = EPCRA Water Priority Chemicals
PRIPOL = Clean Water Act Priority Pollutants
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
CSWHS = Clean Water Act Hazardous substances
GADSL = Global Automotive Declarable Substance List (GADSL)
PROP65 = CA Prop 65

16 OTHER INFORMATION

The information provided in 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 desinged only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not be considered 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 materials or in any process, unless specified in the text.

N/A = Not available N/D = Not determined