01 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product trade name Zinc Alu Spray

Product code 110020

Chemical family Zinc aluminum spray preparation

Product use Technical aerosols

Manufacturer

Weicon GmbH & Co. KG
Königsberger Straße 255,
D-48157 Münster
Telephone: +49 (0) 251 / 9322 - 0
Telefax: +49 (0) 251 / 9322 – 244
e-mail: info@weicon.de
Internet : www.weicon.de

Responsible for the safety data sheet: sds@gbk-ingelheim.de

Supplier

WEICON Inc.
20 Steckle Place, Unit 20
Kitchener, Ontario N2E 2C3
Telephone: 519 896 5252
Telefax: 519 896 5254
e-mail: info@weicon.ca

Emergency advice 0 11 49 178 433 74 34 (CONSULTANK Lutz Harder GmbH)

02 HAZARDS IDENTIFICATION

Emergency overview DANGER: Extremely flammable. Contents under pressure.

Potential Health Effects Irritant to eyes. Repeated exposure may cause skin dryness or cracking. Inhalation of vapors may cause drowsiness and dizziness.

Routes of entry Skin and eye contact and inhalation

Carcinogenicity NTP:No IARC:No OSHA:No

WHMIS Classification

Class A, B5, D2B 

03 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS#	% by wt.
Acetone	67-64-1	10 – 25
Propane	74-98-6	10 – 25
Butane	106-97-8	10 – 25
Ethyl acetate	141-78-6	10 – 25

Xylene	1330-20-7	2.5 – 10
Naphtha (petroleum), hydrotreated heavy	64742-48-9	<=2.5
Naphtha (petroleum), hydrosulfonated heavy	64742-82-1	<=2.5
Solvent naphtha (petroleum), light arom.	64742-95-6	2.5 – 10
Aluminium powder (stabilized)		2.5 – 10
Zinc powder (stabilized)	7440-66-6	2.5 – 10

04 FIRST AID MEASURES

Skin Remove contaminated clothing immediately. In case of contact with skin wash off with soap and water. Consult a doctor if irritation persists.

Eyes Wash eyes immediately with large amounts of water for about 15 minutes, especially under the eyelids. Consult an eye specialist immediately if irritation occurs.

Ingestion Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

Inhalation In the event of excessive inhalation, remove the individual to fresh air and keep him immobile. In the event of symptoms seek medical assistance immediately.

05 FIRE AND EXPLOSION DATA

Flash point -97 ºC

Extinguishing media Foam, dry powder, carbon dioxide

Extinguishing media not to be used for safety reasons water

Special hazards during fire fighting Danger of bursting. Fight fires from a safe distance due to explosion hazard. Vapors are heavier than air and will spread on the ground.

Hazardous combustion products Emits toxic fumes under fire conditions.

Special fire-fighting procedures Use self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes. Cool endangered containers with water spray jet. Fire residues and contaminated firefighting waters must be disposed of in accordance with local regulations.

06 ACCIDENTAL RELEASE MEASURES

Spill and leak procedures Ensure adequate ventilation. Wear appropriate personal protective equipment. Keep away sources of ignition. Pick up using inert absorbents and place into suitable containers for disposal.

06 ACCIDENTAL RELEASE MEASURES

Pollution control measures Do not allow untreated product into sewers, surface or ground water.

07 HANDLING AND STORAGE

Handling Use only in well ventilated area with local exhaust ventilation. Keep away from heat and ignition sources. Do not smoke. Do not spray into flames or any burning material. Do not pierce or burn even after use. Vapors can form an explosive mixture with air. Heating may cause the container to burst violently.

Storage Keep container tightly closed and store in cool, dry, well ventilated area away from heat. Observe precautions for storage of compressed gas cylinders and flammable material storage. Do not store with combustible materials. Protect from heat and direct solar radiation. Storage temperature may not exceed 50 ºC (122 ºF).

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component	CAS#	Exposure limits
Acetone	67-64-1	500 ppm TWA ACGIH
Butane	106-97-8	1000 ppm TWA ACGIH
Ethyl acetate	141-78-6	400 ppm TWA ACGIH
Propane	74-98-6	1000 ppm TWA ACGIH
Xylene, o-, m-, p- or mixed isomers	1330-20-7	100 ppm TWA, 150 ppm STEL ACGIH
Aluminium metal, inhalable dust	7429-90-5	10 mg/m^3 TWA ACGIH

Skin protection Use protective clothing to prevent skin contact. Wear nitrile rubber gloves; 0.1mm; 480 min.; 60 min.

Eye protection Use of safety glasses with side shields is recommended.

Respiratory protection Use NIOSH approved respirator in the event of insufficient ventilation and aerosol or mist formation.

General Protection and Hygiene measures Do not inhale gases/vapors/aerosols. Do not eat, drink or smoke when working. Wash hands/or face before taking breaks and at the end of work.

09 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Pressurized gas	**Physical form**	Aerosol
Color	Silver-grey	**Odor**	Solvent-like
Boiling point	-44 ºC		

09 PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint	-97 ºC
Auto-ignition	365 ºC
Lower explosion limit	1.5 Vol.%
Upper explosion limit	13 Vol.%
Vapor pressure	8300 hPa at 20 °C
Density	Not determined
Solubility in water	Immiscible
Explosive properties	The product is considered non-explosive; nevertheless explosive vapor/air mixtures can be generated.

10 STABILITY AND REACTIVITY

Chemical stability	Stable; no decomposition if used as directed.
Hazardous decomposition products	Carbon monoxide and carbon dioxide, oxygen.
Polymerization	None
Incompatibilities	Keep away from heat. Avoid formation of explosive gas/air mixtures. Contact with acids and bases forms oxygen in the heat.

11 TOXICOLOGICAL INFORMATION

Skin irritation	Non irritant
Eye irritation	Irritant
General experience	Inhalation of vapors may cause dizziness, headaches and tiredness.

12 ECOLOGICAL INFORMATION

Biological degradability	Not determined
Additional information	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not discharge product into the environment. Do not release into the aquatic environment.

13 DISPOSAL CONSIDERATIONS

Product disposal	Dispose in accordance with federal, state or local regulations. Empty packaging can be disposed via recyclable waste collectors.
General information	For proper waste disposal, a complete emptying of the tin is necessary.

14 TRANSPORT INFORMATION

14 TRANSPORT INFORMATION

TDG / DOT shipping name	AEROSOLS, flammable, Class 2.1, UN 1950
Marine transport IMDG	AEROSOLS, flammable, Class 2.1, UN 1950
Air transport ICAO/IATA	AEROSOLS, flammable, Class 2.1, UN 1950

15 REGULATORY INFORMATION

Note: Entries under Section 15 cover only those regulations typically addressed in the MSDS generating process, such as TSCA and EPCRA/SARA Title III.

USA TSCA status	All of the components are on the TSCA Inventory.
Canadian DSL status	All of the components are listed on the DSL Inventory.
SARA Title III	This product contains xylene (max. 10%) which is a toxic chemical subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

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

16 OTHER INFORMATION

Further information	Federal and local chemical regulations should be observed.
WHMIS HAZCOM Label	EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. IRRITANT TO EYES.

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.