

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 11/13/2008

Reviewed on 11/13/2008

1 Identification of substance

Trade name: HOT SPOT ALUMINUM
Product code: 0000161201
Manufacturer/Supplier: SEYMOUR OF SYCAMORE
 917 Crosby Avenue
 Sycamore, IL 60178
 (815)-895-9101, www.seymourpaint.com
Emergency information: CHEMTEL 1-800-255-3924, 813-248-0585 *if located outside the U.S.*



2 Composition/Data on components

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

Dangerous components:

108-88-3	Toluene	23.75%
67-64-1	Acetone	21.62%
74-98-6	propane	18.91%
106-97-8	n-butane	11.11%
7727-43-7	barium sulphate, natural	5.47%
64742-89-8	VM&P Naptha	4.54%
7429-90-5	Aluminum flake	3.03%
1330-20-7	xylene (mix)	1.23%

3 Hazards identification

Hazard description:



Harmful
Extremely flammable

Physical dangers:

Extremely flammable.
Irritating to eyes and skin.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Keep out of the reach of children.

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 (scale 0 - 4):

Health = 1
Fire = 4
Reactivity = 3

HMIS-ratings (scale 0 - 4):

Health= 1
Fire= 4
Physical Hazard= 3

4 First aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
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 Fire fighting measures

Extinguishing agents: CO₂, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment: No special measures required.

6 Accidental release measures

Personal safety precautions: Wear protective equipment. Keep unprotected persons away.
Environmental safety precautions: Do not allow product to reach sewage systems or ground water.
Measures for cleaning/collecting: Ensure adequate ventilation.

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 11/13/2008

Reviewed on 11/13/2008

Trade name: HOT SPOT ALUMINUM

(Contd. of page 1)

7 Handling and storage

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

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

8 Exposure controls and personal protection:

Components with limit values that require monitoring at the workplace:

108-88-3 Toluene

PEL	Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	75 mg/m ³ , 20 ppm

67-64-1 Acetone

PEL	2400 mg/m ³ , 1000 ppm
REL	590 mg/m ³ , 250 ppm
TLV	Short-term value: 1782 mg/m ³ , 750 ppm Long-term value: 1188 mg/m ³ , 500 ppm BEI

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

7727-43-7 barium sulphate, natural

PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	10 mg/m ³ E

7429-90-5 Aluminum flake

PEL	15* 5** mg/m ³ Metal dust *total dust **respirable fraction
REL	10* 5** mg/m ³ Metal dust *total dust **respirable fraction
TLV	1* mg/m ³ *as respirable fraction

1330-20-7 xylene (mix)

PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

Protective hygienic measures:

Breathing equipment:

Keep away from foodstuffs and animal feed. Wash hands after use.

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. Please consult an authority on chemical hygiene monitoring if you suspect overexposure conditions exist and need a specific recommendation on proper ventilation techniques and personal protection.

Protection of hands:

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

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 11/13/2008

Reviewed on 11/13/2008

Trade name: HOT SPOT ALUMINUM

(Contd. of page 2)

9 Physical and chemical properties:

General Information:

Odor: Aromatic
Boiling point/Boiling range: -44°C

Flash point: -19°C

Ignition temperature: 365°C

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: 1.5 Vol %

Upper Explosion Limit: 10.9 Vol %

Vapor Pressure: 40 PSI, 2750 hPa

Density at 20°C: 0.7712 g/cm³

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

VOC content: 599.9 g/l / 5.01 lb/gl

VOC content (less exempt solvents): 61.4 %

MIR value: 61.4 %

MIR Value: 1.48

Solids content: 16.9 %

10 Stability and reactivity:

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

Possibility of Hazardous

Reactions: No dangerous reactions known.

11 Toxicological information:

Primary effect on the skin: Irritant to skin and mucous membranes.

Primary effect on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

12 Ecological information

Other information: This product does not contain any chloroflourocarbons (CFC's), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ether (PDBE). No specific ecological data is available for this product.

Acquatic toxicity: Hazardous for water, do not empty into drains.

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 class: 2 5F Gases
UN-Number: 1950
IMDG Class: 2.1
Packaging group: II
EMS Number: F-D,S-U
Marine pollutant: No
ICAO/IATA Class: 2.1

(Contd. on page 4)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 11/13/2008

Reviewed on 11/13/2008

Trade name: HOT SPOT ALUMINUM

(Contd. of page 3)

Propper shipping name: Aerosols, Flammable
Consumer Commodity ORM-D

15 Regulations

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

108-88-3	Toluene
7429-90-5	Aluminum flake
1330-20-7	xylene (mix)

TSCA (Toxic Substances Control Act):

All ingredients are listed.

PROPOSITION 65 Chemicals known to cause cancer:

100-41-4	ethyl benzene
----------	---------------

PROPOSITION 65
Chemicals known to cause developmental toxicity:
EPA:

108-88-3 Toluene

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).

108-88-3	Toluene	II
67-64-1	Acetone	I
1330-20-7	xylene (mix)	I

IARC:

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.

108-88-3	Toluene	3
1330-20-7	xylene (mix)	3

ACGIH TLVs:

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".

108-88-3	Toluene	A4
67-64-1	Acetone	A4
7429-90-5	Aluminum flake	A4
1330-20-7	xylene (mix)	A4

NIOSH:

None of the ingredients is listed.

Hazard symbols:
Harmful
Extremely flammable
Hazard-determining components of labelling:

Toluene

Risk phrases:

Extremely flammable.

Irritating to eyes and skin.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases:

Keep out of the reach of children.

Keep in a cool place.

Keep container in a well-ventilated place.

Keep away from food, drink and animal feedingstuffs.

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

Wear suitable protective clothing and gloves.

If swallowed, seek medical advice immediately and show this container or label.

Use only in well-ventilated areas.

(Contd. on page 5)

USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 11/13/2008

Reviewed on 11/13/2008

Trade name: HOT SPOT ALUMINUM

(Contd. of page 4)

Special labeling of certain preparations:

Keep out of the reach of children.

16 Other information

This information 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**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
VOC: Volatile Organic Compounds (USA, EU)

USA