

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/13/2014

Revised On 10/13/2014

1 Identification of the substance and manufacturer

Trade name: INVERTED MARKING PAINT - HIGH VISIBILITY YELLOW
 Product code: 80863
 Product category: PC9a Paints and coatings.
 Manufacturer/Supplier: Kimball Midwest
 4800 Roberts Road
 Columbus, OH 43228
 800-233-1294
 www.kimballmidwest.com
 Emergency telephone number: ChemTrec: 800-424-9300

**KIMBALL
MIDWEST**
Specializing in Materials Management

2 Hazard(s) identification

Classification of the substance or mixture

Flam. Aerosol 1 H222 Extremely flammable aerosol.
 Press. Gas H280 Contains gas under pressure; may explode if heated.
 Carc. 2 H351 Suspected of causing cancer.
 STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
 Eye Irrit. 2A H319 Causes serious eye irritation.

GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

Signal word

Hazard statements

Danger

Extremely flammable aerosol.
 Contains gas under pressure; may explode if heated.
 Causes serious eye irritation.

Suspected of causing cancer.

May cause damage to organs through prolonged or repeated exposure.
 Obtain special instructions before use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Wash hands thoroughly after handling.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapors/spray.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Store in a well-ventilated place.

Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Chemical Description:

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

Dangerous components:

64742-89-8	VM&P Naphtha	19.4%
1317-65-3	Calcium Carbonate	14.73%
74-98-6	propane	12.59%
106-97-8	n-butane	7.4%
64742-47-8	Mineral Spirits	4.49%
13463-67-7	titanium dioxide	1.74%

4 First-aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Remove contaminated clothing. Wash exposed area with soap and water.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Rinse mouth with water. Do not induce vomiting.

Most important symptoms and effects:

Dizziness

Indication of any immediate medical attention needed:

No further relevant information available.

5 Fire-fighting measures

Extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

Special hazards:

Can form explosive gas-air mixtures.

Protective equipment for firefighters:

A respiratory protective device may be necessary.

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/13/2014

Revised On 10/13/2014

Trade name: HI-VISIBILITY YELLOW

(Contd. of page 1)

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Methods and material for containment and cleaning up:

Use respiratory protective device against the effects of fumes/dust/aerosol.

Absorb liquid components with liquid-binding material.

7 Handling and storage

Precautions for safe handling
Storage requirements:

Use only in well ventilated areas.

Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

8 Exposure controls/personal protection**Components with limit values that require monitoring at the workplace:****74-98-6 propane**

PEL (USA) | Long-term value: 1800 mg/m³, 1000 ppm
 REL (USA) | Long-term value: 1800 mg/m³, 1000 ppm
 TLV (USA) | refer to Appendix F

106-97-8 n-butane

REL (USA) | Long-term value: 1900 mg/m³, 800 ppm
 TLV (USA) | Short-term value: 2370 mg/m³, 1000 ppm

Hygienic protection:

Wash hands after use.

Do not eat or drink while working.

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 must be impermeable and resistant to the substance.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties**Appearance:**

Aerosol.

Odor:

Aromatic

Odor threshold:

Not determined.

pH-value:

Not determined.

Melting point/Melting range

Undetermined.

Boiling point:

-44 °C (-47 °F)

Flash point:

-19 °C (-2 °F)

Flammability (solid, gas):

Extremely flammable.

Decomposition temperature:

Not determined.

Auto igniting:

Product is not self-igniting.

Danger of explosion:

In use, may form flammable/explosive vapour-air mixture.

Lower Explosion Limit:

1.7 Vol %

Upper Explosion Limit:

10.9 Vol %

Vapor pressure:

Not determined.

Relative Density:

Between 0.77 and 0.85 (Water equals 1.00)

Vapour density

Not determined.

Evaporation rate

Not applicable.

Partition coefficient: n-octanol/water:

Not determined.

Solubility:

Not determined.

Viscosity:

Not determined.

VOC content:

529.3 g/l / 4.42 lb/gl

VOC content (less exempt solvents):

45.2 %

Water:

28.6 %

MIR Value:

0.53

Solids content:

25.0 %

10 Stability and reactivity**Reactivity:**

Stable at normal temperatures.

Conditions to avoid:

Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.

Chemical stability:

Not fully evaluated.

Possibility of hazardous reactions:

No dangerous reactions known.

Incompatible materials:

No further relevant information available.

Hazardous decomposition:

No dangerous decomposition products known.

US4

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/13/2014

Revised On 10/13/2014

Trade name: HI-VISIBILITY YELLOW

(Contd. of page 2)

11 Toxicological information**LD/LC50 values that are relevant for classification:****106-97-8 n-butane**

Inhalative | LC50/4 h | 658 mg/l (rat)

13463-67-7 titanium dioxide

Oral | LD50 | >20000 mg/kg (rat)

Dermal | LD50 | >10000 mg/kg (rbt)

Inhalative | LC50/4 h | >6.82 mg/l (rat)

Information on toxicological effects: No data available.**Sensitization:** No sensitizing effects known.**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

13463-67-7 | titanium dioxide

2B

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**Aquatic toxicity:**

Hazardous for water, do not empty into drains.

Persistence and degradability:

The product is degradable after prolonged exposure to natural weathering processes.

Bioaccumulative potential:

No further relevant information available.

Mobility in soil:

No further relevant information available.

Other adverse effects:

No further relevant information available.

13 Disposal considerations

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****UN-Number**

UN1950

DOT

Aerosols, flammable

ADR

1950 Aerosols

Transport hazard class(es):

2.1

Class

No

Marine pollutant:

Warning: Gases

Special precautions for user:

F-D,S-U

EMS Number:

--

Packaging Group:

UN1950, Aerosols, 2.1

UN "Model Regulation":**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):

None of the ingredients is 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:**

13463-67-7 | titanium dioxide

100-41-4 | ethyl benzene

EPA:

None of the ingredients is listed.

16 Other information**Contact:**

Regulatory Affairs

US4