

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/21/2009

Reviewed on 05/21/2009

1 Identification of substance

Trade name: SCHOOL BUS YELLOW
Product codes:
 8117
 9998
 92485
Manufacturer/Supplier: Tifco Industries
 P.O. Box 40277
 Houston, TX 77240
 p.281-571-6000
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:

67-64-1	Acetone	19.55%
74-98-6	propane	15.76%
7727-43-7	barium sulphate, natural	9.34%
106-97-8	n-butane	9.26%
2807-30-9	Glycol Ether EP	5.28%
108-10-1	methyl isobutyl ketone	5.09%
108-65-6	PM acetate	3.24%
107-87-9	Methyl Propyl Ketone	3.17%
1330-20-7	xylene (mix)	2.45%
110-19-0	isobutyl acetate	1.93%

3 Hazards identification

Hazard description:



Irritant
Extremely flammable

Physical dangers:

Extremely flammable.
Irritating to eyes.
Vapours may cause drowsiness and dizziness
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 (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:

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:

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:

Wear protective equipment. Keep unprotected persons away.

Environmental safety:

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

Clean-up/collection:

Ensure adequate ventilation.

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.

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8 Exposure controls and personal protection:

Components with limit values that require monitoring at the workplace:

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

7727-43-7 barium sulphate, natural

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

106-97-8 n-butane

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

108-10-1 methyl isobutyl ketone

PEL	410 mg/m ³ , 100 ppm
REL	Short-term value: 300 mg/m ³ , 75 ppm
TLV	Long-term value: 205 mg/m ³ , 50 ppm Short-term value: 307 mg/m ³ , 75 ppm Long-term value: (205) NIC-123 mg/m ³ , (50) NIC-30 ppm BEI: NIC-A3

108-65-6 PM acetate

WEEL	50 ppm
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107-87-9 Methyl Propyl Ketone

PEL	700 mg/m ³ , 200 ppm
REL	530 mg/m ³ , 150 ppm
TLV	Short-term value: 529 mg/m ³ , 150 ppm

1330-20-7 xylene (mix)

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

110-19-0 isobutyl acetate

PEL	700 mg/m ³ , 150 ppm
REL	700 mg/m ³ , 150 ppm
TLV	713 mg/m ³ , 150 ppm

Hygienic protection:

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.

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:

General Information:

Odor: Aromatic
Boiling point: -44°C

Flash point: -19°C

Ignition temperature: 230°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: 1.7 Vol %

Upper Explosion Limit: 10.9 Vol %

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Vapor Pressure:	40 PSI, 2750 hPa
Density at 20°C:	0.83507 g/cm ³
Specific Gravity:	Between 0.77 and 0.85 (Water equals 1.00)
VOC content:	500.7 g/l / 4.18 lb/gl
VOC content (less exempt solvents):	47.6 %
MIR value:	47.6 %
MIR Value:	1.10
Solids content:	32.4 %

10 Stability and reactivity:

Conditions to avoid: Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.
Hazardous Reactions: No dangerous reactions known.

11 Toxicological information:

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

12 Ecological information

Other information: This product does not contain any chlorofluorocarbons (CFC's) or chlorinated solvents.
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+8
ADR/RID class:	2 5FC 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
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):

108-10-1 methyl isobutyl ketone

1330-20-7 xylene (mix)

TSCA: All ingredients are listed.

CPSC: This product is regulated by 16 CFR 1303. It complies with this regulation and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:

100-41-4 ethyl benzene

EPA: I: 'Data are inadequate for an assessment of human carcinogeni potential.'
II: 'Inadequate information to assess carcinogenic potential.'

67-64-1	Acetone	I
108-10-1	methyl isobutyl ketone	I
1330-20-7	xylene (mix)	I
110-19-0	isobutyl acetate	D

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.

1330-20-7 xylene (mix)

ACGIH: A1-designates a confirmed human carcinogen.
A2-designates a suspected human carcinogen.
A3-designates an animal carcinogen.

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A4-designates "not classifiable as a human carcinogen".

67-64-1	Acetone	A4
1330-20-7	xylene (mix)	A4
110-19-0	isobutyl acetate	A4
13463-67-7	titanium dioxide	A4

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

13463-67-7	titanium dioxide
1333-86-4	Carbon black

Risk phrases: Extremely flammable.
Irritating to eyes.

Vapours may cause drowsiness and dizziness

Safety phrases: Keep out of the reach of children.
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
If swallowed, seek medical advice immediately and show this container or label.
Use only in well-ventilated areas.

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:

CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
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

USA