

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/02/2007

Reviewed on 01/02/2007

1 Identification of substance

Trade name: PRO-COAT SAFETY YELLOW
Product code: 81419
Distributor / Supplier: IBS, Inc.
 P.O. Box 1717
 Auburn, WA 98071-1717
 (800) 678-1906, www.industrialbolt.com
Information department: Health & Safety Department
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	19.16%
106-97-8	n-butane	9.25%
7727-43-7	barium sulphate, natural	8.08%
2807-30-9	Glycol Ether EP	5.17%
108-10-1	methyl isobutyl ketone	5.0%
13463-67-7	titanium dioxide	3.79%
107-87-9	Methyl Propyl Ketone	3.34%
110-19-0	isobutyl acetate	2.59%
1330-20-7	xylene (mix)	2.44%
108-65-6	PM acetate	2.15%
82199-12-0	Novaperm Yellow Pigment	1.36%

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Hazard description:



Irritant
Extremely flammable

Physical dangers:

Has a narcotizing effect.
 Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.
 Extremely flammable.
 Irritating to eyes and respiratory system.
 Vapours may cause drowsiness and dizziness
 Keep out of the reach of children.

Effects of short-term overexposure:

Vapors cause irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue, swelling of eyes, and nausea.

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: 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.

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Trade name: MRO GLOSS SAFETY YELLOW**Protective equipment:** No special measures required.

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6 Accidental release measures**Personal safety****precautions:**

Wear protective equipment. Keep unprotected persons away.

Environmental safety**precautions:**Inform appropriate authorities in case of seepage into water course or sewage system.
Do not allow product to reach sewage systems or ground water.**Measures for cleaning/
collecting:**

Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

7 Handling and storage**Fire/explosion protection:** Do not spray on a naked flame or any incandescent material.

Do not smoke. Protect from electrostatic charges.

Storage requirements:

Observe pressurized container storage regulations. Consult with your local authorities.

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

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

106-97-8 n-butane

REL	1900 mg/m ³ , 800 ppm
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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

108-10-1 methyl isobutyl ketone

PEL	410 mg/m ³ , 100 ppm
REL	Short-term value: 300 mg/m ³ , 75 ppm Long-term value: 205 mg/m ³ , 50 ppm
TLV	Short-term value: 307 mg/m ³ , 75 ppm Long-term value: 205 mg/m ³ , 50 ppm BEI

107-87-9 Methyl Propyl Ketone

PEL	700 mg/m ³ , 200 ppm
TLV	Short-term value: (881) NIC-529 mg/m ³ , (250) ppm Long-term value: (705) mg/m ³ , (200) ppm NIC-150

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

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

108-65-6 PM acetate

WEEL	50 ppm
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Protective hygienic measures:	Keep away from foodstuffs and animal feed. Wash hands after use.
Breathing equipment:	Use suitable respiratory protective device in case of insufficient ventilation. A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.
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

9 Physical and chemical properties:**General Information:**

Form:	Aerosol
Color:	According to trade name description in section 1.
Odor:	Solvent
Boiling point/Boiling range:	-44°C (-47°F)
Flash point:	-19°C (-2°F)
Ignition temperature:	230.0°C (446°F)
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 %
Vapor Pressure:	40 PSI, 2750 hPa
Density:	Not determined.
Specific Gravity:	Between 0.77 and 0.85 (Water equals 1.00)
VOC content:	465.5 g/l / 3.88 lb/gl
VOC in weight percent (less acetone):	46.5 %
Solids content:	34.3 %

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:	No irritant effect.
Primary effect on the eye:	Irritating effect.
Sensitization:	No sensitizing effects known.

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.
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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:	Empty cans should be recycled.

14 Transport information:

Hazard class:	2.1
Identification number:	N/A
Label	2.1
ADR/RID class:	2 5TF Gases
UN-Number:	1950

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IMDG Class: 2
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 (Toxic Substances**Control Act):** All ingredients are listed.**PROPOSITION 65 Chemicals known to cause cancer:**

100-41-4 ethyl benzene

Canadian WHMIS:

Class A, B5---Flammable Aerosols

EPA: 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).

110-19-0 isobutyl acetate

D

1330-20-7 xylene (mix)

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.

13463-67-7 titanium dioxide

2B

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".

13463-67-7 titanium dioxide

A4

110-19-0 isobutyl acetate

A4

1330-20-7 xylene (mix)

A4

NIOSH:

13463-67-7 titanium dioxide

1333-86-4 Carbon black

USDA (United States**Department of****Agriculture):**

This product was manufactured to conform to the USDA Food Safety and Inspection Service performance standards. These standards include, but are not limited to, the ability of this product to be safe for use in official meat and poultry establishments, and to perform well under a daily regimen of thorough cleaning, cyclical temperature change, and wet conditions.

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: IBS, Inc.

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