

SAFETY DATA SHEET

Revision Date 02-Dec-2016 Version 6

1. IDENTIFICATION

Product identifier

Product Name Brushing Lacquer Semi-Gloss

Other means of identification

Product Code 92801 UN/ID no. UN1263

SKU(s) 92801, 92804, 92805, 92808

Recommended use of the chemical and restrictions on use
Recommended Use
Uses advised against
No information available

Details of the supplier of the safety data sheet

Supplier Address

Old Masters 303 19th St. SE Orange City, IA 51041 Phone: 712-737-4993 Fax: 712-737-4997

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

Emergency Overview

Danger

Hazard statements

Harmful if swallowed Harmful if inhaled

Causes serious eye damage

May cause genetic defects

May cause cancer

May cause respiratory irritation. May cause drowsiness or dizziness

Highly flammable liquid and vapor



Appearance No information available

Physical state liquid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use

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

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

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

Keep container tightly closed

Ground/bond container and receiving equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

Causes mild skin irritation

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Butyl Acetate	123-86-4	10 - 30	*
Methyl Amyl Ketone	110-43-0	10 - 30	*
Methyl Isobutyl Ketone	108-10-1	7 - 13	*
Nitrocellulose	9004-70-0	7 - 13	*
Diethylene Glycol Butyl Ether	112-34-5	1 - 5	*
Isopropyl Alcohol	67-63-0	1 - 5	*
n-Butanol	71-36-3	1 - 5	*

Solvent Naphtha, Light Aliphatic	64742-89-8	1 - 5	*
Isobutyl Alcohol	78-83-1	1 - 5	*
Ethyl Benzene	100-41-4	0.1 - 1	*

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice Immediate medical attention is required. In case of accident or unwellness, seek medical

advice immediately (show directions for use or safety data sheet if possible). If symptoms

persist, call a physician.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting

lower and upper eyelids. Consult a physician.

Skin Contact Wash off immediately with plenty of water. Call a physician immediately. Wash

contaminated clothing before reuse. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and

shoes.

Inhalation Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.

Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician immediately. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. Move to fresh air in case of accidental inhalation of vapors.

Ingestion Rinse mouth. If symptoms persist, call a physician. Do NOT induce vomiting. Drink 1 or 2

glasses of water. Never give anything by mouth to an unconscious person. Clean mouth

with water and drink afterwards plenty of water. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Flammable.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate

ventilation, especially in confined areas. Use personal protective equipment as required.

Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system. See Section 12 for additional

ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent

material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Cover liquid spill with sand, earth or other non-combustible absorbent material. Soak up with inert absorbent

material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks,

flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Use personal protective equipment as

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

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep

containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials Chlorinated compounds. Strong oxidizing agents. Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butyl Acetate 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m³ (vacated) STEL: 200 ppm	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 950 mg/m³
Methyl Amyl Ketone 110-43-0	TWA: 50 ppm	(vacated) STEL: 950 mg/m³ TWA: 100 ppm TWA: 465 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 465 mg/m³	IDLH: 800 ppm TWA: 100 ppm TWA: 465 mg/m³
Methyl Isobutyl Ketone 108-10-1	STEL: 75 ppm TWA: 20 ppm	TWA: 100 ppm TWA: 410 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m³ (vacated) STEL: 75 ppm (vacated) STEL: 300 mg/m³	IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m³ STEL: 75 ppm STEL: 300 mg/m³

Diethylene Glycol Butyl Ether 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-	-
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m³
n-Butanol 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m³ (vacated) S* (vacated) Ceiling: 50 ppm (vacated) Ceiling: 150 mg/m³	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m³
Isobutyl Alcohol 78-83-1	TWA: 50 ppm	TWA: 100 ppm TWA: 300 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 150 mg/m³	IDLH: 1600 ppm TWA: 50 ppm TWA: 150 mg/m³
Ethyl Benzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m³ STEL: 125 ppm STEL: 545 mg/m³

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield.

Skin and body protection No special technical protective measures are necessary.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and

clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state liquid

AppearanceNo information availableOdorNo information availableColorNo information availableOdor thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No information available
Melting point/freezing point
Boiling point / boiling range
Flash point
Evaporation rate
Flammability (solid, gas)
No information available
No information available
No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density

No information available
No information available
No information available

Specific Gravity 0.93

Water solubility No information available Solubility in other solvents No information available **Partition coefficient** No information available **Autoignition temperature** No information available **Decomposition temperature** No information available Kinematic viscosity No information available **Dynamic viscosity** No information available **Explosive properties** No information available **Oxidizing properties** No information available

Other Information

Softening pointNo information availableMolecular weightNo information availableVOC Content (%)No information available

Density 7.76 lbs/gal

Bulk density No information available

Percent solids by weight 27.0% Percent volatile by weight 73.0% Percent solids by volume 18.2% Actual VOC (lbs/gal) 5.7 Actual VOC (grams/liter) 679.6 EPA VOC (lbs/gal) 5.7 **EPA VOC (grams/liter)** 679.6 EPA VOC (lb/gal solids) 31.2

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Chlorinated compounds. Strong oxidizing agents. Acids.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product InformationNo data availableInhalationNo data available.Eye contactNo data available.

Skin Contact No data available.

Ingestion No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butyl Acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Methyl Amyl Ketone 110-43-0	= 1600 mg/kg (Rat) = 1670 mg/kg (Rat)	= 12.6 mL/kg(Rabbit)= 12600 μL/kg(Rabbit)	> 2000 ppm (Rat) 4 h
Methyl Isobutyl Ketone 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg(Rabbit)	= 8.2 mg/L (Rat) 4 h
Nitrocellulose 9004-70-0	> 5 g/kg (Rat)	-	-
Diethylene Glycol Butyl Ether 112-34-5	= 5660 mg/kg (Rat)	= 2700 mg/kg(Rabbit)	-
Isopropyl Alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg(Rabbit)	= 72600 mg/m³ (Rat) 4 h
n-Butanol 71-36-3	= 700 mg/kg (Rat) = 790 mg/kg (Rat)	= 3402 mg/kg (Rabbit) = 3400 mg/kg (Rabbit)	> 8000 ppm (Rat) 4 h
Solvent Naphtha, Light Aliphatic 64742-89-8	-	= 3000 mg/kg(Rabbit)	-
Isobutyl Alcohol 78-83-1	= 2460 mg/kg (Rat)	= 3400 mg/kg (Rabbit)	> 6.5 mg/L (Rat) 4 h
Ethyl Benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg(Rabbit)	= 17.4 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

SensitizationNo information available.Germ cell mutagenicityNo information available.CarcinogenicityNo information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methyl Isobutyl Ketone 108-10-1	A3	Group 2B	-	Х
Nitrocellulose 9004-70-0	-	Group 2A	-	Х
Isopropyl Alcohol 67-63-0	-	Group 3	-	X
Ethyl Benzene 100-41-4	A3	Group 2B	-	Х

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
No information available.
No information available.
No information available.

Chronic toxicity Ethylbenzene has been classified by the International Agency for Research on Cancer

(IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated

overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory

system, thyroid, testicles, and pituitary glands. Avoid repeated exposure. May cause

adverse liver effects.

Target Organ Effects Central nervous system, Eyes, kidney, liver, Peripheral Nervous System (PNS), Respiratory

system, Skin.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document $\,$ mg/kg $\,$ mg/l $\,$

12. ECOLOGICAL INFORMATION

Ecotoxicity

32.45% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Butyl Acetate 123-86-4	674.7: 72 h Desmodesmus subspicatus mg/L EC50	100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 62: 96 h Leuciscus idus mg/L LC50 static	72.8: 24 h Daphnia magna mg/L EC50
Methyl Amyl Ketone 110-43-0	-	126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through	-
Methyl Isobutyl Ketone 108-10-1	400: 96 h Pseudokirchneriella subcapitata mg/L EC50	496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through	170: 48 h Daphnia magna mg/L EC50
Diethylene Glycol Butyl Ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50 2850: 24 h Daphnia magna mg/L EC50
Isopropyl Alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50	13299: 48 h Daphnia magna mg/L EC50
n-Butanol 71-36-3	500: 96 h Desmodesmus subspicatus mg/L EC50 500: 72 h Desmodesmus subspicatus mg/L EC50	1730 - 1910: 96 h Pimephales promelas mg/L LC50 static 1910000: 96 h Pimephales promelas µg/L LC50 static 100000 - 500000: 96 h Lepomis macrochirus µg/L LC50 static 1740: 96 h Pimephales promelas mg/L LC50 flow-through	1983: 48 h Daphnia magna mg/L EC50 1897 - 2072: 48 h Daphnia magna mg/L EC50 Static
Solvent Naphtha, Light Aliphatic 64742-89-8	4700: 72 h Pseudokirchneriella subcapitata mg/L EC50	-	-
Isobutyl Alcohol 78-83-1	230: 48 h Desmodesmus subspicatus mg/L EC50	1370 - 1670: 96 h Pimephales promelas mg/L LC50 flow-through 1120 - 1520: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 375: 96 h Pimephales promelas mg/L LC50 static 1480 - 1730: 96 h Lepomis macrochirus mg/L LC50 flow-through	1070 - 1933: 48 h Daphnia magna mg/L EC50 Static 1300: 48 h Daphnia magna mg/L EC50
Ethyl Benzene 100-41-4	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through	1.8 - 2.4: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Butyl Acetate 123-86-4	1.81
Methyl Amyl Ketone 110-43-0	1.98

Methyl Isobutyl Ketone 108-10-1	1.19
Isopropyl Alcohol 67-63-0	0.05
n-Butanol 71-36-3	0.785
Isobutyl Alcohol 78-83-1	0.79
Ethyl Benzene 100-41-4	3.2

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container.

US EPA Waste Number D001 U031 U140 U161 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl Isobutyl Ketone 108-10-1	-	Included in waste stream: F039	-	U161
n-Butanol 71-36-3	-	Included in waste stream: F039	-	U031
Isobutyl Alcohol 78-83-1	U140	Included in waste streams: F005, F039	-	U140
Ethyl Benzene 100-41-4	-	Included in waste stream: F039	-	-

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Butyl Acetate 123-86-4	Toxic
Nitrocellulose	Ignitable
9004-70-0	Reactive
Isopropyl Alcohol	Toxic
67-63-0	Ignitable
n-Butanol 71-36-3	Toxic
Ethyl Benzene	Toxic
100-41-4	Ignitable

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN1263
Proper shipping name Paint
Hazard Class 3
Packing Group II

Special Provisions 149, B52, IB2, T4, TP1, TP8, TP28

Description UN1263, Paint, 3, II

Emergency Response Guide 128

Number

TDG

UN/ID no. UN1263

Proper shipping name Paint **Hazard Class** 3 **Packing Group** Ш

UN1263, Paint, 3, II Description

MEX

UN/ID no. UN1263 Proper shipping name Paint **Hazard Class** 3 **Packing Group**

Description UN1263, Paint, 3, II

ICAO (air)

UN/ID no. UN1263 Proper shipping name Paint **Hazard Class** 3 **Packing Group** Ш

Special Provisions A3. A72

Description UN1263, Paint, 3, II

IATA

UN/ID no. UN1263 Proper shipping name Paint **Hazard Class** 3 **Packing Group** Ш **ERG Code** 3L **Special Provisions** A3, A72

UN1263, Paint, 3, II Description

IMDG

UN/ID no. UN1263 Proper shipping name Paint **Hazard Class** 3 **Packing Group** Ш EmS-No. F-E, S-E **Special Provisions** 163

Description UN1263, Paint, 3, II

RID

UN/ID no. UN1263 Proper shipping name Paint **Hazard Class** 3 **Packing Group** Ш

Classification code F1

Description UN1263, Paint, 3, II

ADR

UN/ID no. UN1263 Paint Proper shipping name Hazard Class 3 **Packing Group** Ш Classification code F1 **Tunnel restriction code** (D/E)

Special Provisions 163, 640D, 650

Description UN1263, Paint, 3, II, (D/E)

Labels

ADN

Proper shipping name Paint **Hazard Class** 3 **Packing Group** Ш Classification code F1

Special Provisions 163, 640D, 650 Description UN1263, Paint, 3, II

Hazard label(s) 3 Limited quantity (LQ) 5 L Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

Complies **TSCA DSL/NDSL** Complies * Does not comply * **EINECS/ELINCS** Does not comply * **ENCS IECSC** Complies * **KECL** Complies * **PICCS** Complies * Complies * **AICS**

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Methyl Isobutyl Ketone	1.0
Diethylene Glycol Butyl Ether	1.0
Isopropyl Alcohol	1.0
n-Butanol	1.0
Ethyl Benzene	0.1

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard Yes
Fire hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Butyl Acetate 123-86-4	5000 lb	-	-	Х
Ethyl Benzene 100-41-4	1000 lb	X	Х	Х

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

^{*} This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Butyl Acetate 123-86-4	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Methyl Isobutyl Ketone 108-10-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
n-Butanol 71-36-3	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Isobutyl Alcohol 78-83-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Ethyl Benzene 100-41-4	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

<u>California Proposition 65</u>
This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65	
Methyl Isobutyl Ketone - 108-10-1	Carcinogen	
	Developmental	
Ethyl Benzene - 100-41-4	Carcinogen	

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts
Butyl Acetate 123-86-4	X	X
Methyl Amyl Ketone 110-43-0	X	X
Methyl Isobutyl Ketone 108-10-1	X	X
Nitrocellulose 9004-70-0	X	X
Isobutyl Isobutyrate (IBIB) 97-85-8	X	-
Diethylene Glycol Butyl Ether 112-34-5	X	-
Isopropyl Alcohol 67-63-0	X	X
n-Butanol 71-36-3	X	X
Isobutyl Alcohol 78-83-1	X	X
Xylene 1330-20-7	X	X
Ethyl Benzene 100-41-4	X	X

Chemical Name	Pennsylvania
Butyl Acetate 123-86-4	X
Methyl Amyl Ketone 110-43-0	X
Methyl Isobutyl Ketone 108-10-1	X
Nitrocellulose 9004-70-0	X
Diethylene Glycol Butyl Ether 112-34-5	X
Isopropyl Alcohol 67-63-0	X
n-Butanol 71-36-3	X
Isobutyl Alcohol 78-83-1	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants' (present individually at 1% by weight, or greater):

Chemical Name	Weight % of HAPS in Product	Pounds HAPS / Gal Product
Methyl Isobutyl Ketone 108-10-1	12.65%	0.98
Diethylene Glycol Butyl Ether 112-34-5	4.77%	0.37

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA Health hazards 2 Flammability 3 Instability 0 Physical and Chemical Properties -

HMIS Health hazards 2 * Flammability 3 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend *= Chronic Health Hazard

Revision Date 02-Dec-2016

Revision Note

No information available

Disclaimer

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End of Safety Data Sheet