

Safety Data Sheet**BLEND LACQUER THINNER 45 BL427 FREEMAN**

Version 1.0

Revision Date: 01/08/2021

Species: Rabbit
Result: Irritating to eyes.

67-64-1:

Species: Rabbit
Result: Irritating to eyes.
Exposure time: 24 h

67-63-0:

Species: Rabbit
Result: Irritating to eyes.

Germ cell mutagenicity**Components:****108-88-3:**

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity**Components:****108-88-3:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity**Components:****108-88-3:**

Effects on foetal development : Species: Rat
Application Route: inhalation (vapour)
Dose: 0, 250, 750, 1500, 3000 ppm
Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 750 ppm
Developmental Toxicity: NOAEC: 750 ppm
Symptoms: Maternal toxicity, Reduced body weight, Skeletal malformations

Teratogenicity - Assessment : Some evidence of adverse effects on development, based on

Safety Data Sheet

BLEND LACQUER THINNER 45 BL427 FREEMAN

Version 1.0

Revision Date: 01/08/2021

animal experiments.

Reproductive toxicity - Assessment No toxicity to reproduction

STOT - single exposure

Components:

108-88-3:

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

110-19-0:

Target Organs: Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

67-56-1:

Target Organs: Eyes, Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

67-64-1:

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

67-63-0:

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

Components:

108-88-3:

Exposure routes: Inhalation

Target Organs: Auditory system, Eyes

Assessment: May cause damage to organs through prolonged or repeated exposure., The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity

Components:

108-88-3:

May be fatal if swallowed and enters airways.

Further information

Product:

Safety Data Sheet

BLEND LACQUER THINNER 45 BL427 FREEMAN

Version 1.0

Revision Date: 01/08/2021

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
 Concentrations substantially above the TLV value may cause narcotic effects.
 Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

108-88-3:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.5 mg/l
 Exposure time: 96 h
 Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Ceriodaphnia dubia): 3.78 mg/l
 Exposure time: 48 h
 Test Type: Renewal

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.74 mg/l
 Exposure time: 7 d

Acute aquatic toxicity- Assessment : Toxic to aquatic life.

Chronic aquatic toxicity- Assessment : Harmful to aquatic life with long lasting effects.

110-19-0:

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): 16.6 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 25 mg/l
 Exposure time: 48 h
 Test Type: static test

Acute aquatic toxicity- Assessment : Harmful to aquatic life.

Chronic aquatic toxicity- Assessment : This product has no known ecotoxicological effects.

Persistence and degradability

No data available

Bioaccumulative potential

Components:

108-88-3:

Partition coefficient: n-octanol/water : log Pow: 2.73 (20 °C)
 pH: 7

Safety Data Sheet

BLEND LACQUER THINNER 45 BL427 FREEMAN

Version 1.0

Revision Date: 01/08/2021

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):

UN1263, PAINT RELATED MATERIAL, 3, II

IATA (International Air Transport Association):

UN1263, PAINT RELATED MATERIAL, 3, II

IMDG (International Maritime Dangerous Goods):

UN1263, PAINT RELATED MATERIAL, 3, II, Flash Point:-16 °C(3 °F)

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

Safety Data Sheet

BLEND LACQUER THINNER 45 BL427 FREEMAN

Version 1.0

Revision Date: 01/08/2021

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Toluene	108-88-3	1000	1982
**Benzene	71-43-2	10	21413

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrocyanic acid	74-90-8	10	*
Dimethyl Sulfate	77-78-1	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
 Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

108-88-3	Toluene
67-56-1	Methanol
67-63-0	Isopropyl alcohol

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

108-88-3	Toluene
67-56-1	Methanol

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489):

108-88-3	Toluene
110-19-0	Isobutyl acetate
67-56-1	Methanol
67-64-1	Acetone
67-63-0	Isopropyl alcohol

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

108-88-3	Toluene
110-19-0	Isobutyl acetate
71-43-2	**Benzene
100-41-4	**Ethylbenzene
	Ethylbenzene
71-43-2	Benzene

Safety Data Sheet

BLEND LACQUER THINNER 45 BL427 FREEMAN

Version 1.0

Revision Date: 01/08/2021

74-90-8 Hydrocyanic acid
 91-20-3 **Naphthalene
 Naphthalene

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

108-88-3 Toluene
 71-43-2 **Benzene
 100-41-4 **Ethylbenzene
 Ethylbenzene
 71-43-2 Benzene
 74-90-8 Hydrocyanic acid
 91-20-3 **Naphthalene
 Naphthalene

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

108-88-3 Toluene


Massachusetts Right To Know

108-88-3 Toluene
 110-19-0 Isobutyl acetate
 67-56-1 Methanol
 67-64-1 Acetone
 67-63-0 Isopropyl alcohol
 71-43-2 **Benzene
 Benzene
 77-78-1 Dimethyl Sulfate

Pennsylvania Right To Know

108-88-3 Toluene
 Not Assigned C7-C8 alkanes
 110-19-0 Isobutyl acetate
 67-56-1 Methanol
 67-64-1 Acetone
 67-63-0 Isopropyl alcohol
 1119-40-0 Dimethyl glutarate
 71-43-2 **Benzene
 100-41-4 **Ethylbenzene
 Ethylbenzene

California Prop 65

 **WARNING:** This product can expose you to chemicals including **Benzene, **Ethylbenzene, Ethylbenzene, Benzene, **Cumene, Dimethyl Sulfate, Cumene, **Naphthalene, Naphthalene, which is/are known to the State of California to cause cancer, and Toluene, Methanol, **Benzene, Benzene, Hydrocyanic acid, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory
 DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.
 AICS : Not in compliance with the inventory

Safety Data Sheet

BLEND LACQUER THINNER 45 BL427 FREEMAN

Version 1.0

Revision Date: 01/08/2021

NZIoC : Not in compliance with the inventory

ENCS : Not in compliance with the inventory

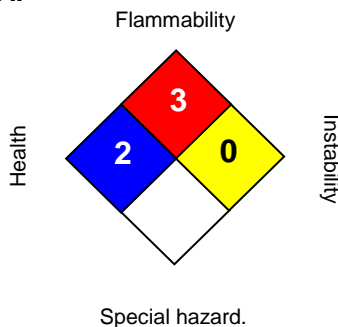
KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 01/08/2021

Material number:
 16146281,

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances	NIOSH	National Institute for Occupational Safety and Health

Safety Data Sheet

BLEND LACQUER THINNER 45 BL427 FREEMAN

Version 1.0

Revision Date: 01/08/2021

	es List		Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		