

Revision Date: 06/23/2021

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

Product identifier: NON-SILICONE INSTANT SHINE

Other means of identification

**SDS number:** RE1000009271

Recommended restrictions
Recommended use: Coating.
Restrictions on use: Not known.

#### Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: Sprayway, Inc.

Address: 1000 INTEGRAM DR.

Pacific, MO 63069

US

Telephone: 1-630-628-3000

Emergency telephone number: 1-866-836-8855

# 2. Hazard(s) identification

# **Hazard Classification**

## **Physical Hazards**

Flammable aerosol Category 1

## **Health Hazards**

Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A
Aspiration Hazard Category 1

#### **Environmental Hazards**

Acute hazards to the aquatic Category 2

environment

Chronic hazards to the aquatic Category 3

environment

## **Label Elements**

## **Hazard Symbol:**



Signal Word: Danger



Revision Date: 06/23/2021

**Hazard Statement:** Extremely flammable aerosol.

Causes skin irritation.

Causes serious eye irritation.

May be fatal if swallowed and enters airways.

Toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

Precautionary Statements

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye

protection/face protection. Avoid release to the environment.

**Response:** 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. IF ON SKIN: Wash with plenty of

water If skin irritation occurs: Get medical advice/attention. IF

SWALLOWED: Immediately call a POISON CENTER/doctor Do NOT induce vomiting. Specific treatment (see on this label). Take off

contaminated clothing.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding

50°C/122°F. Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal

facility in accordance with applicable laws and regulations, and product

characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC):

None.

# 3. Composition/information on ingredients

## **Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
Butane	106-97-8	20 - <50%
Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy-	9003-13-8	20 - <50%
Solvent naphtha (petroleum), light aliph.	64742-89-8	10 - <25%
Heptane	142-82-5	10 - <20%
Heptane, branched, cyclic and linear	426260-76-6	10 - <20%
Naphtha (petroleum), hydrotreated light	64742-49-0	10 - <25%
Propane	74-98-6	10 - <20%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure

limits.

The exact concentration has been withheld as a trade secret.

#### 4. First-aid measures

## Description of necessary first-aid measures

**Inhalation:** Move to fresh air.



Revision Date: 06/23/2021

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while

removing contaminated clothing and shoes. Wash contaminated

clothing before reuse. Get medical attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy

to do, remove contact lenses. Get medical attention.

**Ingestion:** Rinse mouth. Call a physician or poison control center immediately.

Never give liquid to an unconscious person. If vomiting occurs, keep

head low so that stomach content doesn't get into the lungs.

**Personal Protection for First-**

aid Responders:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

**Hazards:** No data available.

Indication of immediate medical attention and special treatment needed

**Treatment:** Symptoms may be delayed.

5. Fire-fighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Fight fire from a

protected location. Move containers from fire area if you can do so without

risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media:

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical:

Vapors may travel considerable distance to a source of ignition and flash

back.

Special protective equipment and precautions for firefighters

**Special fire fighting** 

procedures:

No data available.

Special protective equipment

for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.



Revision Date: 06/23/2021

Accidental release measures: Prevent entry into waterways, sewer, basements or confined areas. Stop

the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you

can do so without risk.

Methods and material for containment and cleaning

up:

Absorb spill with vermiculite or other inert material, then place in a container

for chemical waste.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or

spillage if safe to do so. Avoid release to the environment.

# 7. Handling and storage

## Handling

Technical measures (e.g. Local and general ventilation):

No data available.

Safe handling advice: Wash hands thoroughly after handling. Avoid contact with eyes. Keep away

from heat, hot surfaces, sparks, open flames and other ignition sources. No

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

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

with skin.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Pressurized container: protect from sunlight and do not expose to

temperatures exceeding 50°C. Do not pierce or burn, even after use.

Aerosol Level 3

Safe packaging materials: No data available.

Storage Temperature: No data available.

# 8. Exposure controls/personal protection

# **Control Parameters**

#### **Occupational Exposure Limits**

Chemical Identity	Туре	Exposure Limit Values		Source	
Butane	REL	800 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended	
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended	
	TWA	800 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
Solvent naphtha (petroleum), light aliph.	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended	
	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended	
Propane	REL	1,000 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended	
	PEL	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended	
	TWA	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
Naphtha (petroleum), hydrotreated light	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended	
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended	



Revision Date: 06/23/2021

REL   85 ppm   350 mg/m3   US, NOSH: Pocket Guide to Chemical Hazards, as amended   STEL   500 ppm   2,000 mg/m3   US, OSHA Table 2-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended   TWA   400 ppm   US, ACGIH Threshold Limit Values, as amended   TWA   400 ppm   US, ACGIH Threshold Limit Values, as amended   US, ACGIH Threshold Limit Value	Heptane	TWA	400 ppm	1,600 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
PEL   500 ppm   2,000 mg/m3   US. OSHA Table 2-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended   17WA   400 ppm   1,800 mg/m3   US. OSHA Table 2-1-1 & Q CFR 1910.1000), as amended   17WA   440 ppm   1,800 mg/m3   US. ACGIHI Threshold Limit Values, as amended   17WA	Першие			350 mg/m3	
PEL		1112	оо ррии	oco mg/mo	
STEL   500 ppm		PEL	500 ppm	2.000 ma/m3	
TWA				, 0	
STEL   500 ppm		STEL		2,000 mg/m3	
Cell   Time					
STEL   125 ppm					
Benzene, ethyl-			440 ppm	1,800 mg/m3	
REL	_				
REL   100 ppm	Benzene, ethyl-	STEL	125 ppm	545 mg/m3	
PEL   100 ppm		סבו	400	105/0	
PEL		REL	100 ppm	435 mg/m3	
STEL   159 ppm   545 mg/m3   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   TWA   100 ppm   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. NICSH-Pocket Guide to Chemical Hazards, as amended   US. NICSH-Pocket Guide to Chemical Hazards, as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-2 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as amended   US. OSHA Table 2-1-14 (29 CFR 1910.1000), as		DEI	100 ppm	125 mg/m2	
STEL   125 ppm		PEL	тоо ррпп	433 mg/m3	
TWA   100 ppm		STFI	125 nnm	545 mg/m3	
STEL   50 ppm   US. ACGIH Threshold Limit Values, as amended   STEL   100 ppm   375 mg/m3   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-B (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-B (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR					US OSHA Table 7-1-A (29 CFR 1910 1000), as amended
Benzene, methyl-				100 mg/mo	US. ACGIH Threshold Limit Values, as amended
REL   100 ppm   375 mg/m3   US. NICSH: Pocket Guide to Chemical Hazards, as amended   Ceiling   300 ppm   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. ACGIH Threshold Limit Values, as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. ACGIH Threshold Limit Values, as amended   US. ACGIH Thres	Benzene, methyl-			560 mg/m3	
TWA					US. NIOSH: Pocket Guide to Chemical Hazards. as
Ceiling   300 ppm				g	
Ceiling   300 ppm		TWA	100 ppm	375 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
TWA		Ceiling	300 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
MAX			20 ppm		
STEL   150 ppm   560 mg/m3   US. NIOSH: Pocket Guide to Chemical Hazards, as amended   US. NIOSH: Pocket Guide to Chemical Hazards, as amended   US. NIOSH: Pocket Guide to Chemical Hazards, as amended   US. NIOSH: Pocket Guide to Chemical Hazards, as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-B (20 CFR 1910.1000), as amended   US. OSHA Table Z-1-B (20 CFR 1910.1000), as amended   US. OSHA Table Z-1-B (20 CFR 1910.1000), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended   US. ACGIH Threshold Limit Values, as amended   US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended   US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended   US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended   US. ACGIH Threshold Lim					
STEL			500 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
Benzene					
Benzene		STEL	150 ppm	560 mg/m3	
Amended		5=:			
TWA	Benzene	REL	0.1 ppm		
Ceiling   25 ppm		TIALA	4		
TWA			1 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
STEL   2.5 ppm					
STEL   5 ppm					US ACGIH Threshold Limit Values, as amended
1910.1001-1053), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-2 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-1 (29 CFR 1910.1000), as amended   US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended   US. NIOSH: Pocket Guide to Chemical Hazards, as amended   US. NIOSH: Pocket Guide to Chemical Hazards, as amended   US. NIOSH: Pocket Guide to Chemical Hazards, as amended   US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended   US. OSHA Table Z-1-1 (29 CFR 1910.1000), as amended   US. OSHA Table Z-1					US OSHA Specifically Regulated Substances (29 CFR
OSHA _ ACT		OILL	о рріп		1910 1001-1053), as amended
ACT		OSHA	0.5 ppm		US. OSHA Specifically Regulated Substances (29 CFR
TWA 10 ppm US. OSHA Table Z-2 (29 CFR 1910.1000), as amended US. OSHA Table Z-2 (29 CFR 1910.1000), as amended US. OSHA Table Z-1 (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. ACGIH Threshold Limit Values, as amended US. ACGIH Threshold Limit for Air Contaminants (29 CFR 1910.1000), as amended US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended US. ACGIH Threshold Limit Values					
MAX. CONC STEL 5 ppm US. OSHA Table Z-2 (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. NIOSH: Pocket Guide to Chemical Hazards, as amended US. ACGIH Threshold Limit Values, as amended US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended US. ACGIH Threshold Limit Values, as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. ACGIH Threshold Limit Values, as amended US. OSHA Table Z-1-1 (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended		TWA	10 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
STEL   5 ppm		MAX.			US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
TWA 1 ppm US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended  STEL 1 ppm US. NIOSH: Pocket Guide to Chemical Hazards, as amended  US. NIOSH: Pocket Guide to Chemical Hazards, as amended  TWA 50 ppm US. ACGIH Threshold Limit Values, as amended  PEL 50 ppm 245 mg/m3 US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended  TWA 50 ppm 245 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended  TWA 1 ppm US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended  US. ACGIH Threshold Limit Values, as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- Limits for Air Contaminants (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- Limits for Air Contaminants (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended  US. OSHA Table Z-1- A (29 CFR 1910.1000), as amended					,
Benzene, (1-methylethyl)-  REL 50 ppm 245 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards, as amended  TWA 50 ppm US. NIOSH: Pocket Guide to Chemical Hazards, as amended  TWA 50 ppm US. ACGIH Threshold Limit Values, as amended  TWA 50 ppm 245 mg/m3 US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended  TWA 10 ppm US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended  TWA 100 ppm 435 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended  TWA 100 ppm US. ACGIH Threshold Limit Values, as amended  TWA 100 ppm US. ACGIH Threshold Limit Values, as amended  TWA 100 ppm US. ACGIH Threshold Limit Values, as amended  TWA 100 ppm US. ACGIH Threshold Limit Values, as amended  TWA 100 ppm US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended  TWA 100 ppm US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended  STEL 150 ppm 655 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended  STEL 150 ppm US. ACGIH Threshold Limit Values, as amended  STEL 150 ppm US. ACGIH Threshold Limit Values, as amended  STEL 150 ppm US. ACGIH Threshold Limit Values, as amended  STEL 150 ppm US. ACGIH Threshold Limit Values, as amended  STEL 150 ppm US. ACGIH Threshold Limit Values, as amended  US. NIOSH: Pocket Guide to Chemical Hazards, as amended  US. NIOSH: Pocket Guide to Chemical Hazards, as amended			5 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
STEL   1 ppm   US. NIOSH: Pocket Guide to Chemical Hazards, as amended		TWA	1 ppm		
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amended		REL	100 ppm	435 mg/m3	
					amended



Revision Date: 06/23/2021

**Biological Limit Values** 

Chemical Identity	Exposure Limit Values	Source
Benzene, ethyl- (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)	0.15 g/g (Creatinine in urine)	ACGIH BEL
Benzene, methyl- (toluene: Sampling time: End of shift.)	0.03 mg/l (Urine)	ACGIH BEL
Benzene, methyl- (o-Cresol, with hydrolysis: Sampling time: End of shift.)	0.3 mg/g (Creatinine in urine)	ACGIH BEL
Benzene, methyl- (toluene: Sampling time: Prior to last shift of work week.)	0.02 mg/l (Blood)	ACGIH BEL
Benzene (S-Phenylmercapturic acid: Sampling time: End of shift.)	25 μg/g (Creatinine in urine)	ACGIH BEL
Benzene (t,t-Muconic acid: Sampling time: End of shift.)	500 μg/g (Creatinine in urine)	ACGIH BEL
Benzene, dimethyl- (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEL

**Exposure guidelines** 

Benzene US. ACGIH Threshold Limit Values, as amended	Can be absorbed through the skin.
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**Appropriate Engineering** 

**Controls** 

No data available.

Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection** 

**Hand Protection:** No data available.

**Skin and Body Protection:** Wear suitable protective clothing. Wear chemical-resistant gloves,

footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific

information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from

local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Avoid contact with eyes. When

using do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after

handling the product.

# 9. Physical and chemical properties

**Appearance** 

Physical state: liquid

Form: Spray Aerosol
Color: No data available.
Odor: No data available.
Odor Threshold: No data available.
pH: No data available.
Freezing point: No data available.
Boiling Point: No data available.

Flash Point: -104.44 °C

Evaporation Rate:

Flammability (solid, gas):

Explosive limit - upper (%):

No data available.

No data available.

No data available.

No data available.

**Vapor pressure:** 2,413 - 3,792 hPa (20 °C)

Vapor density (air=1): No data available.



Revision Date: 06/23/2021

Density: No data available. Relative density: No data available. Solubility in Water: No data available. Solubility (other): No data available. Partition coefficient (n-octanol/water): No data available. **Self Ignition Temperature:** No data available. **Decomposition Temperature:** No data available. Kinematic viscosity: No data available. Dynamic viscosity: No data available. **Explosive properties:** No data available. **Oxidizing properties:** No data available.

# 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

Possibility of hazardous

reactions:

No data available.

**Conditions to avoid:** Avoid heat or contamination.

**Incompatible Materials:** No data available.

**Hazardous Decomposition** 

**Products:** 

No data available.

# 11. Toxicological information

# Information on likely routes of exposure

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

# Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

# Information on toxicological effects

# Acute toxicity (list all possible routes of exposure)

Oral

**Product:** Not classified for acute toxicity based on available data.



Revision Date: 06/23/2021

Dermal

**Product:** Not classified for acute toxicity based on available data.

Inhalation

**Product:** Not classified for acute toxicity based on available data.

Repeated dose toxicity

**Product:** No data available.

Components:

Butane LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation

Experimental result, Key study

NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation

NOAEL (Rat(Female, Male), Oral, >= 32 d): 100 mg/kg Oral Experimental

Experimental result, Key study

Poly[oxy(methyl-1,2-

ethanediyl)], alpha-butyl-

omega-hvdroxv-Solvent naphtha

NOAEL (Mouse, Rat(Female, Male), Inhalation, 107 - 113 Weeks): 1,402 (petroleum), light aliph.

result, Supporting study

mg/m3 Inhalation Experimental result, Key study

NOAEL (Rat(Female, Male), Dermal, 5 - 28 d): 3,750 mg/kg Dermal

Experimental result, Key study

NOAEL (Rat(Female, Male), Dermal, 28 d): > 375 mg/kg Dermal

NOAEL (Rat(Female, Male), Inhalation): 10,000 mg/m3 Inhalation

Experimental result, Supporting study

NOAEL (Rat(Male), Inhalation): 12,470 mg/m3 Inhalation Experimental Heptane

result, Key study

Naphtha (petroleum),

hydrotreated light Experimental result, Key study

> LOAEL (Rat(Female, Male), Oral, 13 Weeks): 1,250 mg/kg Oral Readacross based on grouping of substances (category approach), Key study

NOAEL (Rat(Female, Male), Dermal, 28 d): > 375 mg/kg Dermal

Experimental result, Supporting study

NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Propane

Experimental result, Key study

LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation

Experimental result, Key study

Skin Corrosion/Irritation

**Product:** No data available.

Components:

Poly[oxy(methyl-1,2-

ethanediyl)], alphabutyl-omega-hydroxy-

Solvent naphtha

(petroleum), light aliph.

Heptane

Heptane, branched,

Naphtha (petroleum),

cyclic and linear

hydrotreated light

In vitro (Human): Irritating.

Assessment Non-Irritating

in vivo (Rabbit): Irritating

estimated Irritating.

In vitro (Human): not corrosive

Serious Eye Damage/Eye Irritation

**Product:** No data available.

Components:

Solvent naphtha Rabbit: Not irritating

(petroleum), light aliph.

Heptane

Naphtha (petroleum), hydrotreated light

Rabbit, 24 - 72 hrs: Not irritating Rabbit, 24 - 72 hrs: Not irritating



Revision Date: 06/23/2021

## Respiratory or Skin Sensitization

**Product:** No data available.

Components:

Solvent naphtha Skin sensitization:, in vivo (Guinea pig): Non sensitising

(petroleum), light aliph.

Heptane Skin sensitization:, in vivo (Guinea pig): Non sensitising Naphtha (petroleum), Skin sensitization:, in vivo (Guinea pig): Non sensitising

hydrotreated light

Carcinogenicity

**Product:** No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

# **US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

# **Germ Cell Mutagenicity**

In vitro

**Product:** No data available.

In vivo

**Product:** No data available.

Reproductive toxicity

**Product:** No data available.

# **Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

Components:

Heptane Narcotic effect. - Category 3 with narcotic effects.

# **Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard** 

**Product:** No data available.

Components:

Solvent naphtha May be fatal if swallowed and enters airways.

(petroleum), light aliph.

Heptane May be fatal if swallowed and enters airways. Heptane, branched, cyclic May be fatal if swallowed and enters airways.

and linear

Naphtha (petroleum), May be fatal if swallowed and enters airways.

hydrotreated light

Other effects: No data available.



Revision Date: 06/23/2021

# 12. Ecological information

# **Ecotoxicity:**

#### Acute hazards to the aquatic environment:

Fish

**Product:** No data available.

Components:

Butane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy-

LC 50 (Danio rerio, 96 h): 104 mg/l Experimental result, Key study

Naphtha (petroleum), hydrotreated light

LC 50 (96 h): 8.41 mg/l Experimental result, Key study

Propane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

Butane LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study

Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy-

NOAEL (Daphnia magna, 48 h): 1,800 mg/l Read-across from supporting

substance (structural analogue or surrogate), Key study

EC 50 (Daphnia magna, 48 h): > 3,200 mg/l Read-across from supporting

substance (structural analogue or surrogate), Key study

Solvent naphtha (petroleum), light aliph.

EC 50 (Daphnia magna, 48 h): 32 mg/l Experimental result, Supporting

study

Naphtha (petroleum), hydrotreated light

EC 50 (Daphnia magna, 48 h): 4.5 mg/l Experimental result, Key study

# Chronic hazards to the aquatic environment:

Fish

**Product:** No data available.

Components:

Naphtha (petroleum), hydrotreated light

NOAEL (Daphnia magna): 2.6 mg/l Other, Key study

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

Heptane, branched, cyclic and linear

NOEC: < 1 mg/l estimation

Naphtha (petroleum), hydrotreated light

EC 50 (Daphnia magna): 10 mg/l Experimental result, Key study

Toxicity to Aquatic Plants

**Product:** No data available.



Revision Date: 06/23/2021

## Persistence and Degradability

Biodegradation

**Product:** No data available.

Components:

Butane 100 % (385.5 h) Detected in water. Experimental result, Key study

Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy-

 $76\ \%$  Detected in water. Read-across from supporting substance (structural

analogue or surrogate), Weight of Evidence study

Solvent naphtha (petroleum), light aliph.

90.35 % (28 d) Detected in water. Experimental result, Supporting study

Naphtha (petroleum), hydrotreated light

95 % (10 d) The 10-day window requirement is fulfilled.

90.35 % (28 d) Detected in water. Experimental result, Supporting study

Propane 100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study

**BOD/COD Ratio** 

**Product:** No data available.

Bioaccumulative potential

**Bioconcentration Factor (BCF)** 

**Product:** No data available.

Components:

Solvent naphtha Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by

(petroleum), light aliph. calculation, Key study

Naphtha (petroleum), hydrotreated light

Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by

calculation, Key study

Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

Components:

Naphtha (petroleum), hydrotreated light

Log Kow: > 2.4 - < 5.7 23 °C Yes Experimental result, Key study

**Mobility in soil:** No data available.

Components:

Butane No data available.
Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxySolvent naphtha (petroleum), light aliph. No data available.
Heptane No data available.
Heptane, branched, cyclic and linear No data available.
Naphtha (petroleum), hydrotreated light No data available.
Propane No data available.
No data available.

Other adverse effects: Toxic to aquatic organisms. Harmful to aquatic life with long lasting effects.

13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local

laws.



Revision Date: 06/23/2021

Contaminated Packaging: No data available.

# 14. Transport information

DOT

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2.1
Label(s): –
EmS No.:

Packing Group:

Special precautions for user: Not regulated.

IATA

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es):

Class: 2.1
Label(s): Packing Group: -

Special precautions for user: Not regulated.

Other information

Passenger and cargo aircraft: Allowed. 203 Cargo aircraft only: Allowed. 203

**IMDG** 

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2.1 Label(s): -

EmS No.: F-D, S-U

Packing Group: -

Special precautions for user: Not regulated.

# 15. Regulatory information

# **US Federal Regulations**

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

<u>Chemical Identity</u>
Benzene

<u>OSHA hazard(s)</u>
Flammability

Cancer Aspiration Eye Blood Skin

respiratory tract irritation Central nervous system



Revision Date: 06/23/2021

## CERCLA Hazardous Substance List (40 CFR 302.4):

#### **Chemical Identity**

UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY RCRA HAZARDOUS WASTE NO. D001
ETHYLBENZENE
BENZENE, METHYLBENZENE
BENZENE,1-METHYLETHYLCUMENE
XYLENE (MIXED)

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

# **Hazard categories**

Flammable aerosol, Skin Corrosion/Irritation, Serious Eye Damage/Eye Irritation, Aspiration Hazard

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

#### **US State Regulations**

#### **US. California Proposition 65**

For more information go to www.P65Warnings.ca.gov.

# US. New Jersey Worker and Community Right-to-Know Act Chemical Identity

Butane

Solvent naphtha (petroleum), light aliph.

Propane

Naphtha (petroleum), hydrotreated light

Heptane

#### US. Massachusetts RTK - Substance List

# **Chemical Identity**

Benzene

## US. Pennsylvania RTK - Hazardous Substances

# **Chemical Identity**

**Butane** 

Solvent naphtha (petroleum), light aliph.

Propane

Naphtha (petroleum), hydrotreated light

Heptane

#### **US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.



Revision Date: 06/23/2021

## International regulations

# **Montreal protocol**

Not applicable

#### Stockholm convention

Not applicable

## **Rotterdam convention**

Not applicable

## **Kyoto protocol**

Not applicable

#### **Inventory Status:**

Australia AICS Not in compliance with the inventory.

Canada DSL Inventory List On or in compliance with the inventory

EINECS, ELINCS or NLP Not in compliance with the inventory.

Japan (ENCS) List Not in compliance with the inventory.

China Inv. Existing Chemical Substances Not in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI)

Not in compliance with the inventory.

Canada NDSL Inventory Not in compliance with the inventory.

Philippines PICCS Not in compliance with the inventory.

US TSCA Inventory

On or in compliance with the inventory

New Zealand Inventory of Chemicals Not in compliance with the inventory.

Japan ISHL Listing Not in compliance with the inventory.

Japan Pharmacopoeia Listing

Not in compliance with the inventory.

Mexico INSQ Not in compliance with the inventory.

Ontario Inventory Not in compliance with the inventory.

Taiwan Chemical Substance Inventory

Not in compliance with the inventory.

# 16.Other information, including date of preparation or last revision

**Issue Date:** 06/23/2021

**Revision Information:** No data available.

Version #: 1.0

Further Information: No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to

be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.