Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Nu Finish - Soft Paste 9-16-19

Version number: GHS 7.1
Replaces version of: 2022-07-15 (GHS 6)

Revision: 2023-09-11

SECTION 1: Identification

1.1 Product identifier

Trade name **Nu Finish - Soft Paste 9-16-19**

Alternative number(s) 078161000078

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses General use

1.3 Details of the supplier of the safety data sheet

Energizer Manufacturing, Inc.
25225 Detroit Rd.
Westlake OH 44145
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)
e-mail: Autocare.regulatory@energizer.com
Website: http://data.energizer.com

1.4 Emergency telephone number

Emergency information service

FOR EMERGENCY in USA & Canada CALL +1 800 255-3924 / For International CALL +1 813 248 0585
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.7	reproductive toxicity	2	Repr. 2	H361f
A.9	specific target organ toxicity - repeated exposure	1	STOT RE 1	H372

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS08

- Hazard statements

H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	If exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling

Octamethylcyclotetrasiloxane, Light aromatic hydrocarbons, Naphtha (petroleum), hydrodesulfurized heavy

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Hazards not otherwise classified

Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).
Causes mild skin irritation (GHS category 3: irritant to skin).

Results of PBT and vPvB assessment

Contains a PBT-substance in a concentration of ≥ 0.1%. Contains a vPvB-substance in a concentration of ≥ 0.1%.

Endocrine disrupting properties

Contains an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Kaolin, calcined	CAS No 92704-41-1	10 – < 25	Acute Tox. 4 / H332	
Light aromatic hydrocarbons	CAS No 8052-41-3	5 – < 10	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 STOT RE 1 / H372 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	
Octamethylcyclotetrasiloxane	CAS No 556-67-2	5 – < 10	Repr. 2 / H361f Flam. Liq. 3 / H226	
Naphtha (petroleum), hydrodesulfurized heavy	CAS No 64742-82-1	1 – < 5	STOT RE 1 / H372 Asp. Tox. 1 / H304 Flam. Liq. 1 / H224	

For full text of abbreviations: see SECTION 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Control of the effects

Protect against external exposure, such as

frost

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	stoddard solvent	8052-41-3	PEL (CA)	100	525						Cal/OSHA PEL
US	stoddard solvent	8052-41-3	REL		350 (10 h)				1,800 (15 min)		NIOSH REL
US	stoddard solvent	8052-41-3	TLV®	100							ACGIH® 2023
US	stoddard solvent	8052-41-3	PEL	500	2,900						29 CFR 1910.1000

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

Notation
TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Kaolin, calcined	92704-41-1	DNEL	3 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Kaolin, calcined	92704-41-1	DNEL	3 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
Kaolin, calcined	92704-41-1	DNEL	3 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
Kaolin, calcined	92704-41-1	DNEL	3 mg/m³	human, inhalatory	worker (industry)	acute - local effects
Light aromatic hydrocarbons	8052-41-3	DNEL	44 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Light aromatic hydrocarbons	8052-41-3	DNEL	55 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
Light aromatic hydrocarbons	8052-41-3	DNEL	44 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
Light aromatic hydrocarbons	8052-41-3	DNEL	55 mg/m³	human, inhalatory	worker (industry)	acute - local effects
Light aromatic hydrocarbons	8052-41-3	DNEL	80 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Light aromatic hydrocarbons	8052-41-3	DNEL	30 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
Octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m³	human, inhalatory	worker (industry)	acute - local effects
Octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m³	human, inhalatory	worker (industry)	chronic - local effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Kaolin, calcined	92704-41-1	PNEC	4.1 mg/l	aquatic organisms	freshwater	short-term (single instance)
Kaolin, calcined	92704-41-1	PNEC	0.41 mg/l	aquatic organisms	marine water	short-term (single instance)
Kaolin, calcined	92704-41-1	PNEC	1,400 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Light aromatic hydrocarbons	8052-41-3	PNEC	0.14 mg/l	aquatic organisms	freshwater	short-term (single instance)
Light aromatic hydrocarbons	8052-41-3	PNEC	0.35 mg/l	aquatic organisms	marine water	short-term (single instance)
Light aromatic hydrocarbons	8052-41-3	PNEC	1.14 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Light aromatic hydrocarbons	8052-41-3	PNEC	0.14 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Octamethylcyclotetrasiloxane	556-67-2	PNEC	1.5 µg/l	aquatic organisms	freshwater	short-term (single instance)
Octamethylcyclotetrasiloxane	556-67-2	PNEC	0.15 µg/l	aquatic organisms	marine water	short-term (single instance)
Octamethylcyclotetrasiloxane	556-67-2	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Octamethylcyclotetrasiloxane	556-67-2	PNEC	3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Octamethylcyclotetrasiloxane	556-67-2	PNEC	0.3 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Octamethylcyclotetrasiloxane	556-67-2	PNEC	0.54 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid (paste)
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	≥-20 °C at 101.3 kPa
Flash point	>95 °C
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)

Explosive limits

- Lower explosion limit (LEL)	1.4 vol%
- Upper explosion limit (UEL)	7.6 vol%

Vapor pressure	≤240 kPa at 37.8 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available

Auto-ignition temperature

Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2	**Other information**	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Kaolin, calcined	92704-41-1	inhalation: dust/mist	>2.07 $^{mg}/_{l}$/4h
Light aromatic hydrocarbons	8052-41-3	inhalation: vapor	>5.5 $^{mg}/_{l}$/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Suspected of damaging fertility.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kaolin, calcined	92704-41-1	LC50	>100 mg/l	fish	96 h
Kaolin, calcined	92704-41-1	EC50	>100 mg/l	aquatic invertebrates	48 h
Kaolin, calcined	92704-41-1	ErC50	2,500 mg/l	algae	72 h
Kaolin, calcined	92704-41-1	NOEC	≥100 mg/l	fish	96 h
Light aromatic hydrocarbons	8052-41-3	LC50	0.18 mg/l	fish	96 h
Light aromatic hydrocarbons	8052-41-3	LL50	41.4 mg/l	fish	96 h
Light aromatic hydrocarbons	8052-41-3	EL50	2.5 mg/l	algae	96 h
Light aromatic hydrocarbons	8052-41-3	EC50	0.58 mg/l	algae	96 h
Light aromatic hydrocarbons	8052-41-3	NOELR	0.76 mg/l	algae	96 h
Light aromatic hydrocarbons	8052-41-3	NOEC	0.16 mg/l	algae	96 h
Octamethylcyclotetrasiloxane	556-67-2	LC50	>22 µg/l	fish	96 h
Octamethylcyclotetrasiloxane	556-67-2	EC50	>15 µg/l	aquatic invertebrates	48 h
Octamethylcyclotetrasiloxane	556-67-2	ErC50	>22 µg/l	algae	96 h
Octamethylcyclotetrasiloxane	556-67-2	NOEC	≥22 µg/l	fish	96 h
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	LL50	8.2 mg/l	fish	96 h

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	EL50	4.5 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Kaolin, calcined	92704-41-1	EC50	2,800 mg/l	microorganisms	16 h
Kaolin, calcined	92704-41-1	NOEC	100 mg/l	fish	10 d
Light aromatic hydro-carbons	8052-41-3	EL50	1.19 mg/l	aquatic invertebrates	21 d
Light aromatic hydro-carbons	8052-41-3	EC50	0.33 mg/l	aquatic invertebrates	21 d
Light aromatic hydro-carbons	8052-41-3	NOEC	0.02 mg/l	fish	30 d
Light aromatic hydro-carbons	8052-41-3	NOELR	0.28 mg/l	aquatic invertebrates	21 d
Octamethylcyclotet-rasiloxane	556-67-2	LC50	10 µg/l	fish	14 d
Octamethylcyclotet-rasiloxane	556-67-2	EC50	>15 µg/l	aquatic invertebrates	21 d
Octamethylcyclotet-rasiloxane	556-67-2	NOEC	≤4.4 µg/l	fish	14 d
Octamethylcyclotet-rasiloxane	556-67-2	LOEC	15 µg/l	aquatic invertebrates	21 d
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	EL50	10 mg/l	fish	21 d
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	EC50	15.41 mg/l	microorganisms	40 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Contains a PBT-substance in a concentration of ≥ 0.1%. Contains a vPvB-substance in a concentration of ≥ 0.1%.

12.6 Endocrine disrupting properties

Contains an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1	**UN number**	not subject to transport regulations
14.2	**UN proper shipping name**	not relevant
14.3	**Transport hazard class(es)**	none
14.4	**Packing group**	not assigned
14.5	**Environmental hazards**	non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

DOT

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Toxic Substance Control Act (TSCA) all ingredients are listed (ACTIVE) or exempt from listing

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

Clean Air Act

none of the ingredients are listed

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Water	7732-18-5	solvents	
Kaolin, calcined	92704-41-1	polishing agent	
Light aromatic hydrocarbons	8052-41-3	solvents	ATSDR Neurotoxicants EC Annex VI CMRs - Cat. 1B
Octamethylcyclotetrasiloxane	556-67-2	emulsifier	Canada PBiTs CECBP - Priority Chemicals EC PBTs
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	solvents	Canada PBiTs EC Annex VI CMRs - Cat. 1B
Silicone compound	63148-62-9	defoamer	
dimethyl siloxane	69430-40-6	surfactant	
Sodium Citrate	6132-04-3 68-04-2	chelating agent	
isopropyl alcohol	67-63-0	solvents	OEHHA RELs

Name of substance	CAS No	Functionality	Authoritative Lists
methanol	67-56-1	impurity	CA TACs IRIS Neurotoxicants NTP OHAT - Repr. or Dev. Toxicants OEHHA RELs Prop 65
Decamethylcyclopentasiloxane	541-02-6	emulsifier	Canada PBiTs CECBP - Priority Chemicals EC PBTs

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Light aromatic hydrocarbons	8052-41-3	A, N, O	
Naphtha (petroleum), hydrodesulfurized heavy	8052-41-3	A, N, O	

Legend

A	American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
N	National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
O	Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Light aromatic hydrocarbons	8052-41-3		F2
Naphtha (petroleum), hydrodesulfurized heavy	8052-41-3		F2

Legend

F2	Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
STODDARD SOLVENT	8052-41-3	
STODDARD SOLVENT	8052-41-3	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Light aromatic hydrocarbons	8052-41-3	T
Naphtha (petroleum), hydrodesulfurized heavy	8052-41-3	T

Legend
T Toxicity (ACGIH®)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals

Name acc. to inventory	CAS No	Remarks	Type of the toxicity
	71750-81-7		
ethylbenzene	100-41-4		cancer
cumene	98-82-8		cancer
methanol	67-56-1		developmental
naphthalene	91-20-3		cancer

Drug precursors, Chemicals designated within the Controlled Substances Act, 21 U.S.C. § 802, paragraphs 34 (list I) and 35 (list II)

none of the ingredients are listed

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	0	no significant risk to health
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
AU	AIIC	not all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)
VN	NCI	not all ingredients are listed

Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances

Legend

ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NCI	National Chemical Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.2		- Precautionary statements: change in the listing (table)	yes
2.3		Hazards not otherwise classified: change in the listing (table)	yes
2.3	Results of PBT and vPvB assessment: Containing a PBT-/vPvB-substance in a concentration of ≥ 0,1%. Containing a PBT-substance in a concentration of ≥ 0,1%. Containing a vPvB-substance in a concentration of ≥ 0,1%.	Results of PBT and vPvB assessment: Contains a PBT-substance in a concentration of ≥ 0.1%. Contains a vPvB-substance in a concentration of ≥ 0.1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
7.2	- Packaging compatibilities: Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.		yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
12.5	Results of PBT and vPvB assessment: The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	Results of PBT and vPvB assessment: Contains a PBT-substance in a concentration of ≥ 0.1%. Contains a vPvB-substance in a concentration of ≥ 0.1%.	yes
13.1	Waste treatment of containers/packages: Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	Waste treatment of containers/packages: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	yes
14.1	UN number	UN number: not subject to transport regulations	yes
14.1	DOT: UN 3082		yes
14.1	IMDG-Code: UN 3082		yes
14.1	ICAO-TI: UN 3082		yes
14.2	DOT: Environmentally hazardous substance, liquid, n.o.s.		yes
14.2	IMDG-Code: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		yes
14.2	ICAO-TI: Environmentally hazardous substance, liquid, n.o.s.		yes
14.2	Technical name (hazardous ingredients): Octamethylcyclotetrasiloxane, Light aromatic hydrocarbons		yes
14.3	DOT: 9		yes
14.3	IMDG-Code: 9		yes
14.3	ICAO-TI: 9		yes
14.4	DOT: III		yes
14.4	IMDG-Code: III		yes

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14.4	ICAO-TI: III		yes
14.5	Environmentally hazardous substance (aquatic environment): Octamethylcyclotetrasiloxane, Light aromatic hydrocarbons		yes
14.7	Particulars in the shipper's declaration: UN3082, Environmentally hazardous substance, liquid, n.o.s., (contains: Octamethylcyclotetrasiloxane, Light aromatic hydrocarbons), 9, III		yes
14.7	Reportable quantity (RQ): 3,548,600 lbs (1,611,065 kg) (naphthalene) (xylene)		yes
14.7	Danger label(s): 9, fish and tree		yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Environmental hazards: yes (hazardous to the aquatic environment)		yes
14.7	Special provisions (SP): 8, 146, 173, 335, IB3, T4, TP1, TP29		yes
14.7	ERG No: 171		yes
14.7	Particulars in the shipper's declaration: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains: Octamethylcyclotetrasiloxane, Light aromatic hydrocarbons), 9, III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment) (Light aromatic hydrocarbons)		yes
14.7	Danger label(s): 9, fish and tree		yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): 274, 335, 969		yes
14.7	Excepted quantities (EQ): E1		yes
14.7	Limited quantities (LQ): 5 L		yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
14.7	EmS: F-A, S-F		yes
14.7	Stowage category: A		yes
14.7	Particulars in the shipper's declaration: UN3082, Environmentally hazardous substance, liquid, n.o.s., (contains: Octamethylcyclotetrasiloxane, Light aromatic hydrocarbons), 9, III		yes
14.7	Environmental hazards: yes (hazardous to the aquatic environment)		yes
14.7	Danger label(s): 9, fish and tree		yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): A97, A158, A197, A215		yes
14.7	Excepted quantities (EQ): E1		yes
14.7	Limited quantities (LQ): 30 kg		yes
14.2	UN proper shipping name	UN proper shipping name: not relevant	yes
14.3	Transport hazard class(es)	Transport hazard class(es): none	yes
14.4	Packing group	Packing group: not assigned	yes
14.5	Environmental hazards: hazardous to the aquatic environment	Environmental hazards: non-environmentally hazardous acc. to the dangerous goods regulations	yes
14.7	Information for each of the UN Model Regulations: Not regulated when carried in single or combination packaging containing a net quantity of 5L or less or 5 kg or less per the following: DOT: 171.4(2) ADR: SP 375 IMDG: 2.10.2.7 IATA: special provision A197, DOT	Information for each of the UN Model Regulations: DOT	yes
14.7	Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information	Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information: Not subject to transport regulations.	yes

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relev-ant
14.7	International Maritime Dangerous Goods Code (IMDG) - Additional information	International Maritime Dangerous Goods Code (IMDG) - Additional information: Not subject to IMDG.	yes
14.7	International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information	International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information: Not subject to ICAO-IATA.	yes
15.1		Toxic Substance Control Act (TSCA): all ingredients are listed (ACTIVE) or exempt from listing	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2023	From ACGIH®, 2023 TLVs® and BEIs® Book. Copyright 2023. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval

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Abbr.	Descriptions of used abbreviations
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
NOELR	No Observed Effect Loading Rate
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
Repr.	Reproductive toxicity
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin

Abbr.	Descriptions of used abbreviations
STEL	Short-term exposure limit
STOT RE	Specific target organ toxicity - repeated exposure
TLV®	Threshold Limit Values
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H224	Extremely flammable liquid and vapor.
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.