

SAFETY DATA SHEET

Date of issue: 09.07.2007

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1. Identification of the preparation:****SILICONE REMOVER SPECTRAL EXTRA 785****1.2. Use of the preparation:****SILICONE REMOVER SPECTRAL EXTRA 785** allows a thorough cleaning of the surface before varnishing, at the same time improving the adhesion and the quality of the produced coating.**1.3. Company/undertaking identification:**NOVOL Sp. z o.o.
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2. HAZARD IDENTIFICATION**HEALTH HAZARDS:**

Harmful product. Irritating to skin. Harmful; may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

DANGEROUS PROPERTIES:

Highly flammable liquid; avoid contact with strong oxidants. Product dangerous for the environment. Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment

OTHER:

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

EEC No.	Name of the substance	WE No.	CAS No.	Classification of the substance	Marking of the substance	Composition
649-328-00-1	Naphtha (petroleum), hydrotreated light	265-151-9	64742-49-0	F; R11; Xn; R65 N; R51/53 R38 R67	F; Xn; N R: 11-38-65-67-51/53 S: (2-)9-16-23-24-29-33-43a-57-60-62	65-75%
649-330-00-2	Naphtha (petroleum), hydrodesulfurized heavy	265-185-4	64742-82-1	R10; Xn; R65 R52-53 R66-67	Xn, R: 10-52/53-65-66-67 S: (2-)23-24-57-60-62	10-20%
601-008-00-2	n-Heptane	142-82-5	205-563-8	F; R11 Xn; R65 Xi; R38; R67 N; R50-53	Nota C F, Xn, N R: 11-38-50/53-65-67 Nota 4, Nota 6 S: (2-)9-16-29-33-61-62	2-8%
601-007-00-7	Isomers of Heksane (contains <5% n-heksane WE 203-777-6)	--	--	F; R11 Xn; R65 Xi; R38; R67 N; R51-53	Nota C F, Xn, N R: 11-38-50/53-65-67 Nota 4, Nota 6 S: (2-)9-16-29-33-60-61-62	1-5%

4. FIRST AID MEASURES**GENERAL INFORMATION:**

See 11 point Product Data Sheet.

INHALATION:

Take the casualty into the fresh air and keep warm irregular breathing/no breathing artificial respiration call a physician.

SKIN:

Take off soiled clothes. Wash off with plenty of lukewarm water with soap (at least 15 minutes).consult a doctor in the event of skin reaction.

EYES:

Hold the eyes open and rinse immediately with plenty of lukewarm water (at least 15 minutes). Contact with ophthalmologist.

ALIMENTARY TRACT:

Do not provoke vomiting (risk of choking). Rinse mouth with water. Medical help is required.

5. FIRE-FIGHTING MEASURES**FIRE EXTINGUISHING****SUBSTANCES:**

Powder, foam, watermist.

SPECIAL HAZARDS:

Fire may cause the generation of carbon monoxide.

PROTECTIVE EQUIPMENT:

Firemen have to wear self-contained breathing apparatus and protective clothing.

OTHER INFORMATION:

Cool adjacent tanks by spraying water from a safe distance.

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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Eliminate sources of ignition. Ensure sufficient ventilation in this room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Put on protective equipment see chapter 8.

PROTECTION OF THE ENVIRONMENT: Prevent to get through to the sewage system, to the surface water, underground water, to the soil. In case of a major spillage the affected area should be separated with bounds.

ACTION IN CASE OF SPILLAGE: Seal the container; damaged containers should be placed in emergency containers. Besprinkle spillage, use e.g. mica, sand, wood flour. Remove the substance mechanically and put to emergency containers. For further disposal measures: see chapter 13.

7. HANDLING AND STORAGE

HANDLING RULES: Keep away from heat and sources of fire. Do not smoke. Do not inhale vapours. Avoid contact with skin and eyes. Take precautionary measures against electrostatic loading. Use only in well ventilated place. Put on protective equipment see chapter 8.

STORAGE: Keep in sealed containers in cool, well ventilated rooms. Storage in the vicinity of a large quantity of organic peroxides or strong oxidants is prohibited.

PECULIAR APPLICATION: See the technical product data sheet.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

RESPIRATORY TRACT PROTECTION: Gas mask with "A" type absorbing canister.
PROTECTION OF HANDS: Protective gloves suitable for handling solvents (viton, nitrile rubber, vinyl polialcohol).
EYES PROTECTION: Protective glasses.
SKIN PROTECTION: Suitable protective clothing (antistatic, impregnated clothing).
WORKPLACE: Topical stays and exhausting ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid
Colour: colourless
Smell: pungent, penetrating odour
pH: --
Boiling point: 63-100°C
Flash-point: approx. 2°C
Autoignition point: >.200°C
Explosion limits: % lower: 0.7 vol.% upper: 7.0 vol.%
Vapour pressure: approx. 20 hPa (20°C)
Density: approx. 0.74 g/cm³ (20°C)
Water solubility: poorly soluble
Partition coefficient n-octanol/water: --
Viscosity (rotating rheometer): approx. 1mPas

10. STABILITY AND REACTIVITY

STABILITY: The product remains stable under normal conditions.

AVOID THE CONTACT OF THE MATERIAL WITH: Strong oxidants, high temperature, strong acids and basis.

DANGEROUS DECOMPOSITION PRODUCTS: Carbon monoxide and other toxic gasses are generated as a result of thermal decomposition.

11. TOXICOLOGICAL INFORMATION

Toxicological studies at the preparation are not available.

TOXICITY: Naphtha (petroleum), hydrotreated light: LD₅₀ (rat, oral) 5 g/kg
LC₅₀ (rat, inhalation) 2 mg/l/4h
LD₅₀ (rabit, skin) 2 g/kg

IRRITATING EFFECT: Skin: irritating to skin and mucous membranes.
Eyes: irritating effect.

SYMPTOMS OF POISONING: Headache and vertigo, fatigue, decreased muscle power, sleepiness and, in exceptional instances, loss of consciousness. If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting, and diarrhoea. May cause lung damage (oedema) if swallowed

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12. ECOLOGICAL INFORMATION
 Ecological studies at the preparation are not available.
 The product is very volatile, quickly evaporated and decomposed. The product is very poorly soluble in water.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Keep away from the sewage system, surface water, underground water, and soil.
 Naphtha (petroleum), hydrotreated light: Fish LC50 11.4 mg/l/96g

13. DISPOSAL CONSIDERATIONS
RECOMMENDATION: Product must be disposed of by special means in accordance with local regulations.
REMAINS OF PRODUCT: Remains of product in the tin should be carefully remove and leave to dry (only in well ventilated places).
ATTENTION: Remains should be harden in small portions far from flammable substances.
CLEAN TIN: The tin is subject to cash deposit as guarantee and should be return to manufacturer.
code of waste: 15 01 10
TIN PARTLY EMPTY: See remains of product.

14. TRANSPORT INFORMATION
GENERAL INFORMATION: Do not transport with materials class 1 (with the exception of materials class 1.4S) and with some of materials class 4.1 and 5.2. Avoid direct contact with materials class 5.1 and 5.2 in the time of transport. Do not use naked flame and do not smoke.
ADR/RID: UN 1263 PAINT RELATED MATERIAL 3, II.

UN No.	Name of the raw material	Hazard identification number	Warning label required	Classification Code	Packaging group
1263	PAINT RELATED MATERIAL	33	3	F1	II




IMDG- Code: PAINT RELATED MATERIAL, CLASS 3, UN 1263, PG II.MARINE POLLUTANT EmS: F-E, S-E
ICAO/IATA: No data available.

15. REGULATORY INFORMATION
 Safety data sheet in accordance with Directives:
 67/548/EWG(2006/121/WE)
 91/155/EWG (2001/58/WE)
 1999/45/EC (2006/8/WE)
 2006/1907/WE REACH
 Other regulations: ADR (2007-2009) , IMDG Code 2006 Edition

CONTAINS: Naphtha (petroleum), hydrotreated light

HAZARD SYMBOL(S)

Xn	Harmful
F	Highly flammable
N	Dangerous for the environment.

RISK-PHRASES:

R11	Highly flammable.
R38	Irritating to skin.
R51/53	Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment
R65	Harmful; may cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness.

SAFETY-PHRASES:

S (2-)	Keep out of the reach of children.
S 16	Keep away of sources of ignition – No smoking.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection
S 29	Do not empty into drains
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

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16. OTHER INFORMATION

Full text of the R-Phrases from section 2 and 3:

R10 Flammable.

R11 Highly flammable.

R38 Irritating to skin.

R51/53 Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment

R65 Harmful; may cause lung damage if swallowed

R50/53 Very toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment

R52/53 Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment

R67 Vapours may cause drowsiness and dizziness.

R 66 Repeated exposure may cause skin dryness or cracking.

Information contained herein is based on our current knowledge. This document does not constitute a warranty for product characteristics.

Issued by: NOVOL Sp. z o.o.

Information: Laboratory Research and Development; tel. +48 61 810 99 09