SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	:	RHODOLINE 675

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

Uses of the Substance / Mixture	:	Specific use(s): Defoamer

1.3 Details of the supplier of the safety data sheet

Company	:	Solvay Canada Inc., NOVECARE Brookfield Place, Suite 4400 181 Bay Street Toronto, ON, M5J2T-3, CA Telephone number: 800-973-7873
Prepared by	:	Solvay product Stewardship, 609-860-4000
Date Prepared	:	10/10/2014

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

2.1 Emergency overview

Appearance	:	Form : mobile Physical state: liquid Color: tan Odor: slight
Warning statements	:	WARNING!! MAY CAUSE EYE IRRITATION. HARMFUL OR FATAL IF SWALLOWED. CAN CAUSE LUNG DAMAGE.

2.2 Potential Health Effects

Inhalation effect	:	Harmful if inhaled. May cause serious damage to lung tissue and respiratory tract.

Skin effect	:	Skin absorption not likely. Essentially non-irritating. May cause slight transient irritation.
Eye effect	:	Slightly irritating. May cause redness, irritation.
Ingestion effect	:	May be fatal if swallowed. Aspiration of the swallowed or vomited product can cause severe pulmonary complications. death.
Chronic effects	:	This product contains ingredients that are considered to be probable or suspected human carcinogens, or confirmed animal carcinogens with unknown relevance to humans (see Section 11 – Chronic).

SECTION 3: Composition/information on ingredients

Synonyms	:	Oil Based Defoamer

3.1 Information on Components and Impurities

WHMIS Hazardous Ingredients and Impurities

Chemical Name	Identification number CAS-No.	Concentration [%]
Petroleum Hydrocarbon	64742-65-0	40 - 70
Alkyl Phenol Ethoxylated	68412-54-4	1 - 5
Octadecanamide, N,N'-1,2-ethanediylbis-	110-30-5	1 - 5

Non Hazardous Ingredients and Impurities

Chemical Name	Identification number CAS-No.	Concentration [%]
Hydrophobic Silica	**********	

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice	:	Show this material safety data sheet to the doctor in attendance. First responder needs to protect himself. Place affected apparel in a sealed bag for subsequent decontamination.
If inhaled	:	Negligible or unlikely exposure pathways If breathed in, move person into fresh air. Consult a physician if necessary.
Skin contact	:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
Eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician.
Ingestion	:	Do not induce vomiting without medical advice. If victim is conscious: Rinse mouth with water. Keep at rest. Do not give anything to drink. Do not leave the victim unattended. Vomiting may occur spontaneously Risk of product entering the lungs on vomiting after ingestion. Lay victim on side. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Risks	:	Skin contact may aggravate existing skin disease Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. There is no specific antidote available. Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Aspiration of the swallowed or vomited product can cause severe pulmonary complications.

SECTION 5: Firefighting measures

Flash point	:	>338 °F (170 °C) Pensky-Martens closed cup Flammability class: Will burn
Autoignition temperature	:	no data available
Flammability / Explosive limit	:	no data available

5.1 Extinguishing media

Suitable extinguishing media	:	Extinguishing media - small fires Dry chemical Carbon dioxide (CO_2) Extinguishing media - large fires Foam Water mist
Unsuitable extinguishing media	:	Water (burning material will float)

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting	:	Under fire conditions: Will burn On combustion or on thermal decomposition (pyrolysis), releases: Carbon oxides Hydrocarbon residues

5.3 Advice for firefighters

Special protective equipment for fire-fighters	:	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
Specific fire fighting methods	:	Cool closed containers exposed to fire with water spray.
Further information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	:	Wear suitable protective equipment. For further information refer to section 8 "Exposure controls / personal protection." Caution If spilled, may cause the floor to be slippery. Sweep up to prevent slipping hazard.

6.2 Environmental precautions

Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

6.3 Methods and materials for containment and cleaning up

Methods for containment	:	Stop leak if safe to do so. Dam up with sand or inert earth (do not use combustible materials).
Recovery	:	Recover as much of the product as possible. Soak up with inert absorbent material. Shovel or sweep up. Keep in suitable, closed containers for disposal. Never return spills in original containers for re-use.
Decontamination / cleaning	:	Wash with plenty of water and detergent. Clean contaminated surface thoroughly. Recover the cleaning water for subsequent disposal. Decontaminate tools, equipment and personal protective equipment in a segregated area.
Disposal	:	Dispose of in accordance with local regulations.
Additional advice	:	Material can create slippery conditions.

6.4 Reference to other sections

Reference to other sections	:	7. HANDLING AND STORAGE 8. EXPOSURE CONTROLS/PERSONAL PROTECTION 13. DISPOSAL CONSIDERATIONS

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling and usage	:	Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. Avoid localized overheating. Vent drums while heating Homogenize before using.
Hygiene measures	:	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

7.2 Conditions for safe storage, including any incompatibilities

Technical Measures for storage	:	Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions

Recommended	:	Stable under normal conditions. Keep in a dry, cool and well-ventilated place. Keep container tightly closed.
To be avoided	:	Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible materials to be indicated by the manufacturer
Incompatible products	:	Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

Storage stability

Storage temperature	:	< 99 °F (< 37 °C)

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

Introductory Remarks:
These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Ingredients with workplace control parameters

Consult local authorities for acceptable exposure limits.

Ingredients	Value type	Value	Basis
Petroleum Hydrocarbon			ACGIH
	Upper Respiratory Tract irritation, Exposure by all routes should be carefully controlled to levels as low as possible., Suspected human carcinogen		
Petroleum Hydrocarbon	TWA	5 mg/m3	ACGIH
	Form of exposure : Inhalable fraction Upper Respiratory Tract irritation, Not classifiable as a human carcinogen		
Petroleum Hydrocarbon			ACGIH
	Upper Respiratory Tract irritation, 2013 Adoption, Exposure by all routes should be carefully controlled to levels as low as possible., Suspected human carcinogen		
Octadecanamide, N,N'-1,2-ethanediylbis-	TWA	10 mg/m3	ACGIH
	Upper Respiratory Tract irritation, Eye irritation, Skin irritation, Does not include stearates of toxic metals., Not classifiable as a human carcinogen, varies		

8.2 Exposure controls

Control measures

Engineering measures : Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures :

Effective exhaust ventilation system

Personal protective equipment

Respiratory protection	:	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.
Hand protection	:	Recommended preventive skin protection Gloves Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Eye protection	:	Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of: Safety glasses with side-shields
Skin and body protection	:	Recommended preventive skin protection Footwear protecting against chemicals impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.
Protective measures	:	Ensure that eyewash stations and safety showers are close to the workstation location. Emergency equipment immediately accessible, with instructions for use. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use. The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment.

SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

Appearance	:	Form : mobile Physical state: liquid Color: tan
Odor	:	slight
Odor Threshold	:	no data available
pH	:	5.0 - 7.0 (5 % (m/v))
Boiling point/boiling range	:	450 - 900 °F (232 - 482 °C) (760 mmHg (1,013.25 hPa))
Flash point	:	> 338 °F (170 °C) Pensky-Martens closed cup Flammability class: Will burn
Evaporation rate (Butylacetate = 1)	:	< 1
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Flammability / Explosive limit	:	no data available
Autoignition temperature	:	no data available
Vapor pressure	:	< 0.1 mmHg (0.13 hPa) (68 °F (20 °C))
Vapor density	:	no data available
Density	:	Relative density : ca. 0.9 (77 °F (25 °C))
Solubility	:	Water solubility : dispersible
Partition coefficient: n-octanol/water	:	no data available
Thermal decomposition	:	no data available
Viscosity	:	Viscosity, dynamic : 300 - 800 mPa.s (77 °F (25 °C))
Explosive properties	:	no data available
Oxidizing properties	:	no data available

9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Polymerization : Hazardous polymerization does not occur.

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.
Keep away from flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Decomposition products : On combustion or on thermal decomposition (pyrolysis), releases:
(Carbon oxides (CO + CO2)).
Hydrocarbon residues

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Octadecanamide, N,N'-1,2-ethanediylbis-	LD50 : > 5,000 mg/kg - Rat Published data Unpublished reports

LD50: > 10,000 mg/kg - Mouse
Published data
Unpublished reports

Acute inhalation toxicity

Octadecanamide, N,N'-1,2-ethanediylbis-	:	LC50 - 1 h (dust/mist) : > 6.3 mg/l - Rat Published data Unpublished reports LC50 - 4 h (dust/mist) : > 1.575 mg/l - Rat Method: Converted acute toxicity point estimate Published data Unpublished reports

Acute dermal toxicity

Octadecanamide, N,N'-1,2-ethanediylbis-	:	LD50 : > 2,000 mg/kg - Rabbit Published data Unpublished reports
Acute toxicity (other routes of administration)	:	no data available

Skin corrosion/irritation

Skin irritation

Octadecanamide, N,N'-1,2-ethanediylbis-	:	Rabbit No skin irritation Published data Unpublished reports

Serious eye damage/eye irritation

Eye irritation

Octadecanamide, N,N'-1,2-ethanediylbis-	:	Rabbit slight irritation Published data Unpublished reports

Respiratory or skin sensitization

Sensitization	:	no data available

Mutagenicity

Genotoxicity in vitro

Octadecanamide, N,N'-1,2-ethanediylbis- : Mutagenicity (Salmonella typhimurium - reverse mutation assay)
with and without metabolic activation
negative
Published data
Unpublished reports

Chromosome aberration test in vitro
Strain: CHL
negative
Method: OECD Test Guideline 471
Published data
Unpublished reports

Genotoxicity in vivo : no data available

Carcinogenicity

Carcinogenicity

Octadecanamide, N,N'-1,2-ethanediylbis- : Rat
Oral
Animal testing did not show any carcinogenic effects.
Published data
Unpublished reports

Ingredients	CAS-No.	Rating	Basis
Petroleum Hydrocarbon	64742-65-0	Suspected human carcinogen	ACGIH

This product does not contain any ingredient designated as probable or suspected human carcinogens by:
IARC

Toxicity for reproduction and development

Toxicity to reproduction / fertility : no data available

Developmental Toxicity/Teratogenicity : no data available

STOT

STOT-single exposure : no data available

STOT-repeated exposure

Octadecanamide, N,N'-1,2-ethanediylbis- : Toxicology Assessment:
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Octadecanamide, N,N'-1,2-ethanediylbis- : Oral 28 Days - Rat , for males and females
NOEL: 1000 mg / kg / day
Published data
Unpublished reports

Aspiration toxicity

Aspiration toxicity : According to the data on the components, May be fatal if swallowed and enters airways., According to the classification criteria for mixtures.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic Compartment

Acute toxicity to fish

Octadecanamide, N,N'-1,2-ethanediylbis- : LC50 - 48 h : > 300 mg/l - Fish
Published data
Unpublished reports

Acute toxicity to daphnia and other aquatic invertebrates. : LC50 : 2.8 mg/l - Daphnia

Ecotoxicity assessment

Acute aquatic toxicity

Octadecanamide, N,N'-1,2-ethanediylbis- : The product does not have any known adverse effects on the aquatic organisms tested

12.2 Persistence and degradability

Biodegradability

Biodegradability

Octadecanamide, N,N'-1,2-ethanediylbis- : Not readily biodegradable.

Ultimate aerobic biodegradability
Method: Modified Sturm Test
15 % - 28 d
Published data
Unpublished reports

Ultimate aerobic biodegradability
Method: OECD Test Guideline 301
1 % - 14 d
Published data
Unpublished reports

Inherent biodegradability study
Method: OECD Test Guideline 302
95 %
Published data
Unpublished reports

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Petroleum Hydrocarbon	:	Bioaccumulative potential Published data Unpublished reports
Octadecanamide, N,N'-1,2-ethanediylbis-	:	Species: Cyprinus carpio (Carp) Bioconcentration factor (BCF): 6.2 Exposure time: 6 Weeks Not bioaccumulable. Published data Unpublished reports

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Environment assessment

Octadecanamide, N,N'-1,2-ethanediylbis-	:	Not classified as Dangerous for the Environment

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

Advice on Disposal	:	Waste Management options should first consider possible re-use or recycling opportunities. Some provinces have active "Waste Exchange" networks for re-use and recycling of wastes. Contact your local waste management companies to explore available options. All waste management activities must obey local, provincial and federal regulations. Possible disposal methods include the following: Incinerate directly or in combination with a flammable solvent.

Advice on cleaning and disposal of packaging

Advice	:	Rinse with an appropriate solvent.
Other data	:	Dispose of in accordance with local regulations.

SECTION 14: Transport information

TDG

not regulated

DOT

not regulated

IMDG
not regulated

IATA
not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

15.1 Notification status

United States TSCA Inventory	:	YES (positive listing) On TSCA Inventory
Canadian Domestic Substances List (DSL)	:	YES (positive listing) All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS)	:	n (Negative listing) Not in compliance with the inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	:	YES (positive listing) On the inventory, or in compliance with the inventory
Korea. Korean Existing Chemicals Inventory (KECI)	:	YES (positive listing) On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	:	YES (positive listing) On the inventory, or in compliance with the inventory

15.2 WHMIS Classification

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Classification : Not Controlled

15.3 Other regulations

no data available

SECTION 16: Other information

NFPA-Classification

Health	:	1 slight
Flammability	:	1 slight
Instability or Reactivity	:	0 minimal

HMIS-Classification

Health	:	1 slight
Flammability	:	1 slight
Reactivity	:	0 minimal

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA	:	8-hour, time-weighted average
ACGIH	:	American Conference of Governmental Industrial Hygienists
OSHA	:	Occupational Safety and Health Administration
WHMIS	:	Workplace Hazardous Materials Information System
NTP	:	National Toxicology Program
IARC	:	International Agency for Research on Cancer
SAEL	:	Solvay Acceptable Exposure Limit
NIOSH	:	National Institute for Occupational Safety and Health
NFPA	:	National Fire Protection Association
HMIS	:	Hazardous Materials Identification System (Paint & Coating)
CPR	:	Controlled Products Regulations

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.