

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Canada Hazardous Products Regulation (HPR)

Date of issue: 12/01/2014

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

1.1. Product identifier

Product form : Mixture

Product name. : Tutela CS Speed

Product code : 1508

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

Use of the substance/mixture : Lubricants

1.3. Details of the supplier of the safety data sheet

Viscosity Oil Company 600 H Joliet Road Willowbrook, IL 60527

T 630-850-4000 - F 630-850-4022

1.4. Emergency telephone number

Emergency number : (800) 434-9300

CHEMTREC (24 HOURS)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS)

Acute Tox. 4 (Inhalation:dust,mist) H332 Skin Sens. 1 H317 Full text of H-phrases: see section 16

2.2. Label elements

GHS labeling

Hazard pictograms (GHS)



GHS07

Signal word (GHS) : Warning

Hazard statements (GHS) : H317 - May cause an allergic skin reaction

H332 - Harmful if inhaled

Precautionary statements (GHS) : P261 - Avoid breathing mist, spray

P271 - Use only outdoors or in a well-ventilated area

P272 - Contaminated work clothing must not be allowed out of the workplace

P280 - Wear face protection, protective gloves P302 + P352 - If on skin: Wash with plenty of water

P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P312 - Call a poison center/doctor if you feel unwell

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P501 - Dispose of in accordance with relevant local regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

12/01/2014 EN (English US) SDS ID: VOC_1400002 Page 1

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	Classification (GHS)
Dec-1-ene, dimers, hydrogenated	(CAS No) 68649-11-6	43	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304
1-Decene, homopolymer, hydrogenated	(CAS No) 68037-01-4	21	Asp. Tox. 1, H304
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	(CAS No) 72623-86-0	15.3	Asp. Tox. 1, H304
Methacrylate copolymer	Withheld as trade secret	2 - 3	Eye Irrit. 2A, H319
Distillates (petroleum), hydrotreated light paraffinic - baseoil	(CAS No) 64742-55-8	1.07	Not classified
Distillates (petroleum), hydrotreated heavy paraffinic	(CAS No) 64742-54-7	1.07	Not classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic	(CAS No) 64742-65-0	1.07	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304
Distillates (petroleum), solvent-refined heavy paraffinic	(CAS No) 64741-88-4	1.07	Acute Tox. 4 (Inhalation:dust,mist), H332
Alkoxylated long-chain alkyl amine	Withheld as trade secret	0.1 - 0.49	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell,

seek medical advice.

First-aid measures after skin contact : Gently wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin

irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

First-aid measures after ingestion : Get medical advice/attention if you feel unwell. If swallowed: Rinse mouth. Do NOT induce

vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Harmful if inhaled. Inhalation may cause: irritation, cough, shortness of breath.

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : carbon dioxide (CO2), powder, alcohol-resistant foam, water fog.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from firefighting to enter

drains or water courses.

Protection during firefighting : Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Avoid contact with skin and eyes. Wear suitable gloves : neoprene or nitrile. Use splash

goggles when eye contact due to splashing is possible.

Emergency procedures : Avoid contact with skin, eyes and clothing. Stop leak without risks if possible. Take up small

spills with dry chemical absorbent.

6.1.2. For emergency responders

Protective equipment : Avoid contact with skin and eyes. Wear suitable gloves. Use splash goggles when eye contact

due to splashing is possible.

12/01/2014 EN (English US) SDS ID: VOC_1400002 2/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Emergency procedures

: Stop leak if safe to do so. Take up small spills with dry chemical absorbent. Impound and recover large spill by mixing it with inert granular solids.

6.2. Environmental precautions

Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Avoid all eyes and skin contact and do not breathe vapor and mist. Ensure good ventilation of the work station. Wear proper protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Incompatible materials

: Keep only in original container. Store in a dry, well ventilated place away from sources of heat,

ignition and direct sunlight.: Strong acids. Bases. Oxidizer.

7.3. Specific end use(s)

Lubricant oil.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Methacrylate copolymer

Not applicable

ACGIH

•	5.1. Control parameters		
Tutela CS Speed			
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ Oil mist	
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³ Oil mist	
OSHA	OSHA PEL (TWA) (mg/m3)	5 mg/m³ (oil mist)	
1-Decene, homopolymer, hy	drogenated (68037-01-4)		
ACGIH	Not applicable		
OSHA	Not applicable		
Lubricating oils (petroleum),	C15-30, hydrotreated neutral oil-based (72623-86-0)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ (oil mist)	
OSHA	OSHA PEL (TWA) (mg/m3)	5 mg/m³ (oil mist)	
Dec-1-ene, dimers, hydroger	nated (68649-11-6)		
ExxonMobil	ACGIH TWA (mg/m³)	1 mg/m³	
Distillates (petroleum), hydro	otreated light paraffinic - baseoil (64742-55-8)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³	
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³	
Distillates (petroleum), hydro	otreated heavy paraffinic (64742-54-7)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³	
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³	
OSHA	OSHA PEL (TWA) (mg/m3)	5 mg/m³	
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)			
ACGIH	ACGIH TWA (mg/m³)	5	
OSHA	OSHA PEL (TWA) (mg/m3)	5 mg/m³	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)			
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³	

12/01/2014 EN (English US) SDS ID: VOC_1400002 3/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methacrylate copolymer		
OSHA	Not applicable	
Alkoxylated long-chain alkyl amine		
ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Exposure controls

Appropriate engineering controls : Avoid creating mist or spray. Either local exhaust or general room ventilation is usually

required.

Hand protection : neoprene gloves. nitrile rubber gloves. Eye protection : Chemical goggles or safety glasses.

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use

with adequate ventilation. In case of inadequate ventilation wear respiratory protection. Use an

approved respirator equipped with oil/mist cartridges.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Viscous liquid. : Light amber Color Odor No data available : No data available Odor threshold : Not applicable рΗ Relative evaporation rate (butyl acetate=1) No data available : No data available Melting point Freezing point : No data available : > 250 °C

Boiling point : > 250 °C Flash point : 164 °C

Self ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) Not applicable Vapor pressure : No data available Relative vapor density at 20 °C : No data available Relative density : No data available Density : 0.83 g/cm³ Solubility insoluble in water. Log Pow : No data available Log Kow : No data available Viscosity, kinematic 21.7 cSt @ 40 C Viscosity, dynamic : No data available : Product is not explosive. Explosive properties : No data available. Oxidizing properties **Explosive limits** : No data available

9.2. Other information

VOC content : 0.01 %

Other properties : Nanoparticle content: 0

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

12/01/2014 EN (English US) SDS ID: VOC_1400002 4/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid contact with incompatible materials, excessive heat or cold.

10.5. Incompatible materials

Respiratory or skin sensitization

Reference SECTION 7.

10.6. Hazardous decomposition products

Under fire conditions, hazardous fumes will be present. Thermal decomposition generates: Carbon oxides (CO, CO2). Sulphur oxides. Phosphorus oxides. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Inhalation:dust/mist: Harmful if inhaled.

Acute toxicity	: Inhalation:dust/mist: Harmful if inhaled.			
Tutela CS Speed				
ATE US (dust,mist)	3.373 mg/l/4h			
1-Decene, homopolymer, hydrogenat	1-Decene, homopolymer, hydrogenated (68037-01-4)			
LD50 oral rat	> 5000 mg/kg body weight			
LD50 dermal rat	> 2000 mg/kg			
Lubricating oils (petroleum), C15-30,	hydrotreated neutral oil-based (72623-86-0)			
LD50 oral rat	> 5000 mg/kg body weight			
LD50 dermal rabbit	> 2000 mg/kg bw/day			
Dec-1-ene, dimers, hydrogenated (68	649-11-6)			
LD50 oral rat	> 5000 mg/kg body weight			
LD50 dermal rabbit	> 2000 mg/kg			
LC50 inhalation rat (mg/l)	< 5 mg/l			
ATE US (dust,mist)	1.500 mg/l/4h			
Distillates (petroleum), hydrotreated	light paraffinic - baseoil (64742-55-8)			
LD50 oral rat	> 500 mg/kg body weight			
LD50 dermal rabbit	> 2000 mg/kg body weight			
LC50 inhalation rat (mg/l)	> 10.5 mg/l/4h			
Distillates (petroleum), hydrotreated l	neavy paraffinic (64742-54-7)			
LD50 oral rat	> 5000 mg/kg			
LD50 dermal rabbit	> 2000 mg/kg			
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h			
Distillates (petroleum), solvent-dewar	xed heavy paraffinic (64742-65-0)			
LD50 oral rat	> 5000 mg/kg			
LD50 dermal rabbit	> 2000 mg/kg			
LC50 inhalation rat (mg/l)	2.18 mg/l			
ATE US (vapours)	2.180 mg/l/4h			
ATE US (dust,mist)	2.180 mg/l/4h			
Distillates (petroleum), solvent-refine	d heavy paraffinic (64741-88-4)			
LD50 oral rat	> 5000 mg/kg			
LD50 dermal rabbit	> 2000 mg/kg			
LC50 inhalation rat (mg/l)	2.18 mg/l/4h			
ATE US (vapours)	2.180 mg/l/4h			
ATE US (dust,mist)	2.180 mg/l/4h			
Alkoxylated long-chain alkyl amine				
ATE US (oral)	500.000 mg/kg body weight			
Skin corrosion/irritation	: Not classified			
Serious eye damage/irritation	: Not classified			
Dannington, on alvin appointmetion	Many and a second secon			

12/01/2014 EN (English US) SDS ID: VOC_1400002 5/10

: May cause an allergic skin reaction.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified. (DMSO <3%)

Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard

: Not classified

Symptoms/injuries after inhalation : Harmful if inhaled. Inhalation may cause: irritation, cough, shortness of breath.

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

Likely routes of exposure : Dermal

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Not soluble in water. In case of large spills, it is a potential source of soil and water pollution.

1-Decene, homopolymer, hydrogenated (68037-01-4)	
LC50 fish 1	> 750 mg/l
EC50 Daphnia 1	190 mg/l
NOEC (acute) 1000 mg/l	

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 10000 mg/l
NOEC (acute) > 1000 mg/l	

Distillates (petroleum), hydrotreated light paraffinic - baseoil (64742-55-8)	
LC50 fish 1 101 mg/l > 100 mg/l LL50. 101 is put in for calculations, per request of IPAC	

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

EC50 Daphnia 1	> 10000 mg/l	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)		
LC50 fish 1	> 100 mg/l Pimephales promel	elas 96 hr

LC50 fish 1	> 100 mg/l Pimephales promelas 96 hr
ErC50 (algae)	> 100 mg/l
NOEC chronic crustacea	10 mg/l 21 day long-term Daphnia magna reproductive test

12.2. Persistence and degradability

Tutela CS Speed	
Persistence and degradability Not readily biodegradable.	
1-Decene, homopolymer, hydrogenated (68037-01-4)	
Persistence and degradability	Readily biodegradable.

Distillates ((petroleum), hydrotreate	ed light paraffinic - baseoil (64742-55-8)	
		A	

Persistence and degradability

Not readily biodegradable.

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Persistence and degradability	Not established.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
Persistence and degradability Not readily biodegradable.	

12.3. Bioaccumulative potential

1-Decene, homopolymer, hydrogenated (68037-01-4)	
Bioaccumulative potential	Not expected to bioaccumulate.

12/01/2014 EN (English US) SDS ID: VOC_1400002 6/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Tutela CS Speed	
Ecology - soil	Poorly soluble in water. Product adsorbs onto the soil.

12.5. Other adverse effects

Effect on ozone layer

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT

Not considered a dangerous good for transport regulations

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Dec-1-ene, dimers, hydrogenated (68649-11-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Distillates (petroleum), hydrotreated light paraffinic - baseoil (64742-55-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

12/01/2014 EN (English US) SDS ID: VOC 1400002 7/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2. International regulations

CANADA

utela CS Speed	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR Class D Division 2 Subdivision B - Toxic material causing other toxic effects

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Dec-1-ene, dimers, hydrogenated (68649-11-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Distillates (petroleum), hydrotreated light paraffinic - baseoil (64742-55-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Distillates (petroleum), hydrotreated light paraffinic - baseoil (64742-55-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Inhalation:dust,mist) H332 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R20

Full text of R-phrases: see section 16

15.2.2. National regulations

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the AICS (the Australian Inventory of Chemical Substances).

Listed on New Zealand - Inventory of Chemicals (NZIoC)

Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.

Listed on KECI (Chemical Inventory of Korea)

Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Listed on Inventory of Existing Chemical Substances (IECSC)

Distillates (petroleum), hydrotreated light paraffinic - baseoil (64742-55-8)

Listed on Inventory of Existing Chemical Substances (IECSC)

Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Listed on KECI (Chemical Inventory of Korea)

Listed on New Zealand - Inventory of Chemicals (NZIoC)

Listed on Taiwan National Chemical Inventory

Listed on the AICS (the Australian Inventory of Chemical Substances).

Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.

12/01/2014 EN (English US) SDS ID: VOC_1400002 8/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on Inventory of Existing Chemical Substances (IECSC)

Listed on Taiwan National Chemical Inventory

Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Listed on New Zealand - Inventory of Chemicals (NZIoC)

Listed on the AICS (the Australian Inventory of Chemical Substances).

Not listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.

Listed on KECI (Chemical Inventory of Korea)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

Listed on Inventory of Existing Chemical Substances (IECSC)

Listed on KECI (Chemical Inventory of Korea)

Listed on Taiwan National Chemical Inventory

Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Listed on the AICS (the Australian Inventory of Chemical Substances).

Listed on New Zealand - Inventory of Chemicals (NZIoC)

Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

Listed on Inventory of Existing Chemical Substances (IECSC)

Listed on KECI (Chemical Inventory of Korea)

Listed on Taiwan National Chemical Inventory

Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Listed on the AICS (the Australian Inventory of Chemical Substances).

Listed on New Zealand - Inventory of Chemicals (NZIoC)

Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.

SECTION 16: Other information

Indication of changes : Original Document.

Revision date : 11/26/2014

Data sources : Chemical Inspection & Regulation Service; accessed at: http://www.cirs-

reach.com/Inventory/Global_Chemical_Inventories.html

European Chemicals Agency (ECHA) Registered Substances list.

Internal Company test data.

Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing",

Fifth Edition.

National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th

edition.

Component Supplier SDSs.

Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists).

ATE: Acute Toxicity Estimate.

CAS (Chemical Abstracts Service) number.

GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).

LD50: Lethal Dose for 50% of the test population.

STEL: Short Term Exposure Limits.
TSCA: Toxic Substances Control Act.
TWA: Time Weighted Average.
SDS: Safety Data Sheet.

12/01/2014 EN (English US) SDS ID: VOC 1400002 9/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases::

At Of 11 princeoo	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Sens. 1	Skin sensitization Category 1
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard : 2 - Intense or continued exposure could cause temporary

incapacitation or possible residual injury unless prompt

medical attention is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions,

and are not reactive with water.



SDS US (GHS HazCom 2012)

SDS Prepared by: The Redstone Group, LLC

6397 Emerald Pkwy. Suite 200 Dublin, OH 43016 T 614-923-7472 www.redstonegrp.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

12/01/2014 EN (English US) SDS ID: VOC_1400002 10/10