SAFETY DATA SHEET

1. Identification

Product identifier	**Presaturated wipes containing Bonderite C -SO 2382 BK Wipes Aero**
Other means of identification	
SDS number	SCFL3088 IATA
Product code	PSPC0006
Recommended use	Presaturated cleaning wipes.
Recommended restrictions	Industrial use only.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	Contec, Inc.
Address	525 Locust Grove Spartanburg, SC 29303 USA
Telephone	1-864-503-8333
Email	SDS@contecinc.com
Emergency phone number	Call CHEMTREC day or night USA/Canada: 1.800.424.9300 Mexico: 1.800.681.9531 Outside USA/Canada: +1.703.527.3887
Supplier	Henkel Corporation
Address	One Henkel way Rocky Hill, Connecticut 06067 USA
Telephone	860-571-5100
Emergency phone number	Call Poison Control: 1-877-671-4608
Website	www.henkelna.com

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Reproductive toxicity (fertility, the unborn child)	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure (inhalation)	Category 2 (central nervous system)
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	

Label elements

Signal word Danger

Hazard statement Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs (central nervous system) through prolonged or repeated exposure by inhalation. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. Collect spillage.

Storage Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Although the product as a whole is in solid format, the product does not meet the OSHA HCS definition of a flammable solid as per Appendix B to 1910.1200 - Physical Hazard Criteria, section B.7.1 and B. 7.2.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Ethyl acetate	141-78-6	10 - 30
Isobutyl methyl ketone	108-10-1	10 - 30
Propan-2-ol	67-63-0	10 - 30
Solvent naphtha (petroleum), light aliph.	64742-89-8	10 - 30
Toluene	108-88-3	10 - 30
Heptane	142-82-5	5 - 10
Cyclohexane	110-82-7	0.1 - 1

Composition comments All concentrations are in percent by weight. The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Not relevant, due to the form of the product. However: In case of ingestion: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Solid containing flammable liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is insoluble in water. Prevent product from entering drains. Spills are very unlikely, because the wiper fabric has absorbed the liquid solvent solution. In the event of a spill, contain with an inert absorbent. Collect the wipes with a non sparking tool and absorb or wipe any residual liquids. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. WARNING! Used wipes may catch fire if improperly discarded or stored near ignition sources. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges. Do not breathe mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Cyclohexane (CAS 110-82-7)	PEL	1050 mg/m3
		300 ppm
Ethyl acetate (CAS 141-78-6)	PEL	1400 mg/m3
		400 ppm
Heptane (CAS 142-82-5)	PEL	2000 mg/m3
		500 ppm
Isobutyl methyl ketone (CAS 108-10-1)	PEL	410 mg/m3
		100 ppm
Propan-2-ol (CAS 67-63-0)	PEL	980 mg/m3
		400 ppm

US. OSHA Table Z-2 Permissible Exposure Limits (PEL) (29 CFR 1910.1000)

Components	Type	Value
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value
Cyclohexane (CAS 110-82-7)	TWA	100 ppm
Ethyl acetate (CAS 141-78-6)	TWA	400 ppm
Heptane (CAS 142-82-5)	STEL	500 ppm
	TWA	400 ppm
Isobutyl methyl ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
Propan-2-ol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm

NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

Components	Type	Value
Cyclohexane (CAS 110-82-7)	IDLH	1.3 %
		1300 ppm
Ethyl acetate (CAS 141-78-6)	IDLH	2 %
		2000 ppm
Heptane (CAS 142-82-5)	IDLH	1.05 %
		750 ppm
Isobutyl methyl ketone (CAS 108-10-1)	IDLH	500 ppm
Propan-2-ol (CAS 67-63-0)	IDLH	2 %
		2000 ppm
Toluene (CAS 108-88-3)	IDLH	1.1 %
		500 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Cyclohexane (CAS 110-82-7)	TWA	1050 mg/m3
		300 ppm
Ethyl acetate (CAS 141-78-6)	TWA	1400 mg/m3
		400 ppm
Heptane (CAS 142-82-5)	Ceiling	1800 mg/m3
		440 ppm
	TWA	350 mg/m3
		85 ppm
Isobutyl methyl ketone (CAS 108-10-1)	STEL	300 mg/m3
		75 ppm
	TWA	205 mg/m3
		50 ppm
Propan-2-ol (CAS 67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm
Toluene (CAS 108-88-3)	STEL	560 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Biological limit values

ACGIH Biological Exposure Indices (BEI)

Components	Value	Determinant	Specimen	Sampling Time
Cyclohexane (CAS 110-82-7)	50 mg/g	1,2-Cyclohexanediol, with hydrolysis	Creatinine in urine	*
Isobutyl methyl ketone (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*
Propan-2-ol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Toluene (CAS 108-88-3) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3) Skin designation applies.

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection If splashing is possible, wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Take note of the information given by the manufacturer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Recommended materials: Neoprene. Polyvinyl chloride (PVC). Polyethylene. Chlorinated polyethylene (or Chlorosulfonated polyethylene). Natural rubber. Nitrile rubber/Nitrile latex - NBR. Ethyl vinyl alcohol laminate ("EVAL").
Unsuitable materials: Polyvinyl alcohol (PVA).

Skin protection

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Chemical respirator with organic vapor cartridge and full facepiece. Wear NIOSH approved respirator appropriate for airborne exposure at the point of use. Check with respiratory protective equipment suppliers.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Wipes presaturated with liquid.
Color	Clear.
Odor	Aromatic.
Odor threshold	Property has not been measured.
pH	Property has not been measured. (liquid)
Melting point/freezing point	Property has not been measured. (liquid)
Initial boiling point and boiling range	Property has not been measured. (liquid)
Flash point	24.8 °F (-4 °C) Tag Closed Cup (liquid)
Evaporation rate	Property has not been measured. (liquid)
Flammability (solid, gas)	Wipes will burn if involved in a fire.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)	Property has not been measured. (liquid)
Explosive limit - upper (%)	Property has not been measured. (liquid)
Vapor pressure	45 mmHg (liquid)
Vapor density	Property has not been measured. (liquid)
Relative density	0.81 @ 25 °C (liquid)

Solubility(ies)

Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water)	Not applicable to mixtures.
Auto-ignition temperature	Property has not been measured. (liquid)
Decomposition temperature	Property has not been measured.
Viscosity	Property has not been measured. (liquid)

Other information

Density	Property has not been measured. (liquid)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Percent volatile	100 % (liquid)

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong acids. Alkalis.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Direct contact: Causes serious eye irritation.
Ingestion	Not relevant, due to the form of the product. However: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity Not relevant, due to the form of the product in its manufactured and shipped state.

Components	Species	Test Results
Cyclohexane (CAS 110-82-7)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	> 32880 mg/m3, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Ethyl acetate (CAS 141-78-6)		
Acute		
Dermal		
LD50	Rabbit	> 18000 mg/kg
Inhalation		
LC50	Rat	58.6 mg/l, 4 Hours
Oral		
LD50	Rat	10170 mg/kg
Heptane (CAS 142-82-5)		
Acute		
Inhalation		
Vapor		
LC50	Rat	> 29.29 mg/l, 4 Hours
Oral		
LD50	Rat	15000 mg/kg

Components	Species	Test Results
Isobutyl methyl ketone (CAS 108-10-1)		
Acute		
Dermal		
LD50	Rabbit	> 16000 mg/kg
Inhalation		
Vapor		
LC50	Rat	11 mg/l, 4 Hours
Oral		
LD50	Rat	3200 mg/kg
Propan-2-ol (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	12870 mg/kg
Inhalation		
Vapor		
LC50	Rat	72.6 mg/l, 4 hours
Oral		
LD50	Rat	4710 mg/kg
Solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Inhalation		
Vapor		
LC50	Rat	> 5160 mg/m3, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Toluene (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	12200 mg/kg
Inhalation		
Vapor		
LC50	Rat	28.1 mg/l, 4 Hours

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Isobutyl methyl ketone (CAS 108-10-1)	2B Possibly carcinogenic to humans.
Propan-2-ol (CAS 67-63-0)	3 Not classifiable as to carcinogenicity to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	May cause damage to organs (central nervous system) through prolonged or repeated exposure by inhalation.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Frequent or prolonged contact may defat and dry the skin. Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Ethyl acetate (CAS 141-78-6)			
Aquatic			
Algae	NOEC	Scenedesmus subspicatus	> 100 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	2500 mg/l, 24 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	230 mg/l, 96 hours
Chronic			
Crustacea	NOEC	Daphnia magna	2.4 mg/l, 21 days
Isobutyl methyl ketone (CAS 108-10-1)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	3682 mg/l, 24 hours
Fish	LC50	Pimephales promelas	505 mg/l, 96 Hours
Chronic			
Crustacea	EC50	Daphnia magna	78 mg/l, 21 days
Fish	NOEC	Pimephales promelas	57 mg/l, 31 days
Propan-2-ol (CAS 67-63-0)			
Aquatic			
Acute			
Crustacea	LC50	Daphnia magna	> 10000 mg/l, 24 hours
Fish	LC50	Pimephales promelas	9640 mg/l, 96 hours
Chronic			
Crustacea	EC50	Daphnia magna	> 100 mg/l, 21 days
	NOEC	Daphnia magna	141 mg/l, 16 days
			30 mg/l, 21 days
Toluene (CAS 108-88-3)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	11.5 mg/l, 48 hours
Fish	LC50	Oncorhynchus kisutch	5.5 mg/l, 96 hours
Chronic			
Crustacea	NOEC	Ceriodaphnia dubia	0.74 mg/l, 7 days
Fish	NOEC	Oncorhynchus kisutch	1.4 mg/l, 40 days

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential Potential to bioaccumulate is low.

Partition coefficient n-octanol / water (log Kow)

Cyclohexane (CAS 110-82-7)	3.44
Ethyl acetate (CAS 141-78-6)	0.73
Heptane (CAS 142-82-5)	4.66
Isobutyl methyl ketone (CAS 108-10-1)	1.31
Propan-2-ol (CAS 67-63-0)	0.05

Partition coefficient n-octanol / water (log Kow)

Toluene (CAS 108-88-3)	2.73

Mobility in soil Isopropyl alcohol is highly mobile in soil.

Other adverse effects This product contains one or more substances identified as hazardous air pollutants (HAPs) per the US Federal Clean Air Act (see section 15).

13. Disposal considerations

Disposal instructions Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 F
D035: Waste Methyl ethyl ketone
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN3175
UN proper shipping name	Solids containing flammable liquid, n.o.s. (Toluene RQ = 3333 LBS, Ethyl acetate)
Transport hazard class(es)	
Class	4.1
Subsidiary hazard	-
Label(s)	4.1
Packing group	II
Environmental hazards	
Marine pollutant	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	47, IB6, IP2, T3, TP33
Packaging exceptions	151
Packaging non bulk	212
Packaging bulk	240

IATA

UN number	-
UN proper shipping name	IATA: Not permitted for transport.
Transport hazard class(es)	
Class	-
Subsidiary hazard	-
Packing group	-
Environmental hazards	No
Special precautions for user	IATA classification is not relevant as the material is not transported by air.

IMDG

UN number	UN3175
UN proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Toluene, Ethyl acetate)
Transport hazard class(es)	
Class	4.1
Subsidiary hazard	-
Packing group	II
Environmental hazards	
Marine pollutant	No
EmS	F-A, S-I
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Cyclohexane (CAS 110-82-7)	Listed.
Ethyl acetate (CAS 141-78-6)	Listed.
Heptane (CAS 142-82-5)	Listed.
Isobutyl methyl ketone (CAS 108-10-1)	Listed.
Propan-2-ol (CAS 67-63-0)	Listed.
Solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)	Listed.
Toluene (CAS 108-88-3)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA) All components of the mixture on the TSCA 8(b) inventory are designated “active”.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories
Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Cyclohexane	110-82-7	0.1 - 1
Isobutyl methyl ketone	108-10-1	10 - 30
Propan-2-ol	67-63-0	10 - 30
Toluene	108-88-3	10 - 30

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Isobutyl methyl ketone (CAS 108-10-1)
Toluene (CAS 108-88-3)

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

Not regulated.

Safe Drinking Water Act (SDWA) Contains component(s) regulated under the Safe Drinking Water Act.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Isobutyl methyl ketone (CAS 108-10-1)	6715
Toluene (CAS 108-88-3)	6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Isobutyl methyl ketone (CAS 108-10-1)	35 %WV
Toluene (CAS 108-88-3)	35 %WW

DEA Exempt Chemical Mixtures Code Number

Isobutyl methyl ketone (CAS 108-10-1)	6715
Toluene (CAS 108-88-3)	594

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Ethyl acetate (CAS 141-78-6)	Low priority
Isobutyl methyl ketone (CAS 108-10-1)	Low priority
Propan-2-ol (CAS 67-63-0)	Low priority

US state regulations

US. Massachusetts RTK - Substance List

Cyclohexane (CAS 110-82-7)
Ethyl acetate (CAS 141-78-6)
Heptane (CAS 142-82-5)
Isobutyl methyl ketone (CAS 108-10-1)
Propan-2-ol (CAS 67-63-0)
Toluene (CAS 108-88-3)

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

Cyclohexane (CAS 110-82-7)
Ethyl acetate (CAS 141-78-6)
Heptane (CAS 142-82-5)
Isobutyl methyl ketone (CAS 108-10-1)
Propan-2-ol (CAS 67-63-0)
Toluene (CAS 108-88-3)

US. Pennsylvania Worker and Community Right-to-Know Law

Cyclohexane (CAS 110-82-7)
Ethyl acetate (CAS 141-78-6)
Heptane (CAS 142-82-5)
Isobutyl methyl ketone (CAS 108-10-1)
Propan-2-ol (CAS 67-63-0)
Solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)
Toluene (CAS 108-88-3)

US. Rhode Island RTK

Cyclohexane (CAS 110-82-7)
Ethyl acetate (CAS 141-78-6)
Heptane (CAS 142-82-5)
Isobutyl methyl ketone (CAS 108-10-1)
Propan-2-ol (CAS 67-63-0)
Toluene (CAS 108-88-3)

California Proposition 65

WARNING: This product can expose you to chemicals including Isobutyl methyl ketone, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Isobutyl methyl ketone (CAS 108-10-1)	Listed: November 4, 2011

California Proposition 65 - CRT: Listed date/Developmental toxin

Isobutyl methyl ketone (CAS 108-10-1)	Listed: March 28, 2014
Toluene (CAS 108-88-3)	Listed: January 1, 1991

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Cyclohexane (CAS 110-82-7)
Ethyl acetate (CAS 141-78-6)
Heptane (CAS 142-82-5)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date 20-June-2024

Revision date -

Version # 01

Further information HMIS Rating:
G - Safety Glasses, Gloves, Vapor Respirator

HMIS® ratings Health: 2*
Flammability: 3
Physical hazard: 0
Personal protection: G

Disclaimer Contec / Henkel cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.