Revision Number: 005.4

Issue date: 09/11/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **BONDERITE S-ST 5351 AERO known as TURCO 5351 (T-5469) *MBO 330GLS**

IDH number: 596971

Product type: Paint stripping agents

Restriction of Use: None identified

Region: United States

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Contact information:
Telephone: (860) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER**:**

HARMFUL IF SWALLOWED.
CAUSES SKIN IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.
CAUSES SERIOUS EYE DAMAGE.
TOXIC IF INHALED.
MAY CAUSE DROWSINESS OR DIZZINESS.
MAY CAUSE CANCER.
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	4
ACUTE TOXICITY INHALATION	3
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1
CARCINOGENICITY	1A
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	1
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2

PICTOGRAM(S)

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves. Use personal protective equipment as required.

Response:	If SWALLOWED: Immediately call poison control or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. IF exposed or concerned: Get medical attention. Immediately call a poison control center or physician. Rinse mouth. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal:	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Methylene chloride	75-09-2	30 - 60
Phenol	108-95-2	10 - 30
Resin and Rosin acid, sodium salts	Proprietary	1 - 5
Sodium chromate	7775-11-3	0.1 - 1

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	If inhaled, immediately remove the affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.
Skin contact:	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Symptoms:	See Section 11.
Notes to physician:	Methylene chloride is metabolized to carbon monoxide; the resulting elevated carboxymethemoglobin levels reduce the oxygen-carrying capacity of the blood. This product can induce cardiac sensitization to circulating epinephrine-like compounds.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	Not a fire hazard.

Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hazardous decomposition products include chlorine compounds. Thermal decomposition products are toxic and include hydrogen chloride and phosgene, in lesser amounts.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Contain spill. Ventilate area. Do not allow product to enter sewer or waterways. Isolate area. Keep unnecessary personnel away.

Clean-up methods: Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Provide adequate ventilation. Do not take internally. Keep container closed. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. Use good hygiene practices when handling this material, including changing and laundering work clothes after use. Discard contaminated shoes and leather goods.

Storage: For safe storage, store between 40 °F (4.4 °C) and 90 °F (32.2 °C)
Keep the container tightly closed and in a cool, well-ventilated place. Open bung slowly to relieve any internal pressure.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Methylene chloride	50 ppm TWA	12.5 ppm OSHA_ACT 25 ppm TWA 125 ppm STEL	None	None
Phenol	5 ppm TWA (SKIN)	5 ppm (19 mg/m3) PEL (SKIN)	None	None
Resin and Rosin acid, sodium salts	None	None	None	None
Sodium chromate	0.05 mg/m3 TWA (as Cr)	0.005 mg/m3 TWA 0.0025 mg/m3 OSHA_ACT 1 mg/m3 PEL (as Cr) 0.1 mg/m3 Ceiling	None	None

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection:	Wear chemical goggles; face shield (if splashing is possible).
Skin protection:	Chemical resistant, impermeable gloves. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Yellow, dark
Odor:	Acrid
Odor threshold:	Not available.
pH:	9.0 - 11.0
Vapor pressure:	107 mm hg
Boiling point/range:	105 °F (40.6 °C)
Melting point/ range:	Not determined
Specific gravity:	1.17 - 1.19 at 25 °C (77°F)
Vapor density:	> 1
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Evaporation rate:	< 1 (Butyl acetate = 1)
Solubility in water:	Appreciable
Partition coefficient (n-octanol/water):	Not determined
VOC content:	197 g/l
Viscosity:	10 - 50 cp
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Thermal decomposition products are toxic and include hydrogen chloride and phosgene, in lesser amounts.
Incompatible materials:	Incompatible with strong oxidants, strong bases, alkali metals, amines, and carbonates.
Reactivity:	Not available.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: Inhalation of high vapor concentrations may produce respiratory irritation, and may cause central nervous system (CNS) depression. Repeated inhalation of high vapor/mist concentrations may cause pulmonary, liver and kidney injury. Continued overexposure may result in coma, respiratory arrest, and death.

Skin contact: Contact with liquid may produce severe skin irritation including redness, inflammation and chemical burns. Prolonged or repeated skin contact may cause dermatitis. A component in this product may be absorbed through the skin in harmful amounts. This product contains a component that may cause allergic skin reactions.

Eye contact: Vapors irritate the eyes. Contact with liquid or mist will irritate the eyes. This product may cause severe irritation, redness, or blurred vision.

Ingestion: Ingestion of this product may cause nausea, vomiting and diarrhea. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision. This product may cause methemoglobinemia characterized by a reduction in oxygen carrying capacity of the blood with symptoms including headache, dizziness, flushed face, fatigue, nausea, vomiting, drowsiness, stupor, tremors, uneven heart action, coma and rarely death. Long-term exposure can cause liver and kidney damage.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Methylene chloride	Oral LD50 (RAT) = 1,600 mg/kg Oral LD50 (RAT) = 3,000 mg/kg Inhalation LC50 (RAT, 15 min) = 2,000 mg/l Inhalation LC50 (RAT, 2 h) = 79 mg/l Inhalation LC50 (RAT, 6 h) = 52 mg/l Inhalation LC50 (RAT, 900 d) = 88 mg/l	Blood, Cardiac, Central nervous system, Corrosive, Irritant, Kidney, Liver, Some evidence of carcinogenicity
Phenol	Oral LD50 (RAT) = 317 mg/kg Oral LD50 (RAT) = 530 mg/kg Dermal LD50 (RAT) = 669 mg/kg Dermal LD50 (RABBIT) = 850 mg/kg	Blood, Cardiac, Corrosive, Developmental, Eyes, Irritant, Kidney, Liver, Mutagen, Nervous System, Skin, Vascular
Resin and Rosin acid, sodium salts	None	No Records
Sodium chromate	Oral LD50 (RAT) = 13 - 28 mg/kg Oral LD50 (RAT) = 51.91 mg/kg Oral LD50 (RAT) = 51.91 mg/kg Oral LD50 (RAT) = 13 mg/kg Oral LD50 (RAT) = 28 mg/kg Dermal LD50 () = 533 mg/kg Dermal LD50 () = 1,600 mg/kg Dermal LD50 () = 426 mg/kg Dermal LD50 (RABBIT) = 426 mg/kg Dermal LD50 (RABBIT) = 553 mg/kg Dermal LD50 (RABBIT) = 1,600 mg/kg Inhalation LC50 () = 0.033 mg/l Inhalation LC50 () = 0.10414 mg/l Inhalation LC50 (RAT, 4 h) = 0.033 mg/l Inhalation LC50 (RAT) = 0.10414 mg/l	Irritant, Respiratory, Central nervous system, Allergen, Liver, Kidney, Developmental, Reproductive, Corrosive, Carcinogen, Mutagen, Blood

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Methylene chloride	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	Yes
Phenol	No	No	No
Resin and Rosin acid, sodium salts	No	No	No
Sodium chromate	Known To Be Human Carcinogen.	Group 1	Yes

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Dispose of according to Federal, State and local governmental regulations.
Hazardous waste number:	This product contains chromium which is a hazardous waste (D007). This product contains a component or components identified as hazardous under 40 CFR 261.24. U080: Methylene Chloride. U188: Phenol.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Corrosive liquids, toxic, n.o.s. (Phenol, Dichloromethane)
Hazard class or division:	8 (6.1)
Identification number:	UN 2922
Packing group:	III
DOT Hazardous Substance(s):	Sodium chromate, Dichloromethane

International Air Transportation (ICAO/IATA)

Proper shipping name:	Corrosive liquid, toxic, n.o.s. (Phenol, Dichloromethane)
Hazard class or division:	8 (6.1)
Identification number:	UN 2922
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	CORROSIVE LIQUID, TOXIC, N.O.S. (Phenol, Dichloromethane)
Hazard class or division:	8 (6.1)
Identification number:	UN 2922
Packing group:	III
Additional information:	IMDG-Code: Segregation group 18- Alkalis

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	Sodium chromate (CAS# 7775-11-3).
CERCLA/SARA Section 302 EHS:	Phenol (CAS# 108-95-2).
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health
CERCLA/SARA Section 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Methylene chloride (CAS# 75-09-2). Phenol (CAS# 108-95-2). Sodium chromate (CAS# 7775-11-3).
CERCLA Reportable quantity:	Methylene chloride (CAS# 75-09-2) 1,000 lbs. (454 kg) Phenol (CAS# 108-95-2) 1,000 lbs. (454 kg) Sodium chromate (CAS# 7775-11-3) 10 lbs. (4.54 kg)
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: Updated Contact Information in Section 1.

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Issue date: 09/11/2014

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