

## SAFETY DATA SHEET METSTRIP SV3405

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name METSTRIP SV3405  
Product No. F3405

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

Identified uses PAINT STRIPPER

#### 1.3. Details of the supplier of the safety data sheet

Supplier ORAPI APPLIED LIMITED,  
SPRING ROAD,  
SMETHWICK,  
WEST MIDLANDS, B66 1PT, ENGLAND  
Tel: 0121-525-4000  
Fax: 0121-525-4919  
Lee Baughan  
lee.baughan@orapiapplied.com

#### 1.4. Emergency telephone number

0121 525 4000 (09:00 - 17:00 hrs)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) T;R39/23/24/25. Xn;R20/21/22. Carc. Cat. 3;R40. Xi;R36/38. R52/53.

Human health

The product is irritating to eyes and skin. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

#### 2.2. Label elements

Contains DICHLOROMETHANE  
METHANOL  
TETRACHLOROETHYLENE

Labelling



Toxic

Risk Phrases

R40	Limited evidence of a carcinogenic effect.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27	Take off immediately all contaminated clothing.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60	This material and its container must be disposed of as hazardous waste.
P14	Contains DIBUTYL THIOUREA. May produce an allergic reaction. Keep away from sources of ignition - No smoking.

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Keep out of the reach of children.

Restricted to industrial use and to professionals approved in certain EU Member States – verify where use is allowed.

## 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

DICHLOROMETHANE	60-100%	
CAS-No.: 75-09-2	EC No.: 200-838-9	
Classification (EC 1272/2008) Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40	
METHANOL	10-30%	
CAS-No.: 67-56-1	EC No.: 200-659-6	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25	
TETRACHLOROETHYLENE	1-5%	
CAS-No.: 127-18-4	EC No.: 204-825-9	Registration Number: 01-2119475329-28-xxxx
Classification (EC 1272/2008) Carc. 2 - H351 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Carc. Cat. 3;R40 N;R51/53	
FORMIC ACID ...%	1-5%	
CAS-No.: 64-18-6	EC No.: 200-579-1	Registration Number: 01-2119491174-37-xxxx
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35	
DIBUTYL THIOUREA	0.1 - 1%	
CAS-No.: 109-46-6	EC No.: 203-674-6	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Sens. 1 - H317	Classification (67/548/EEC) Xn;R22. R43.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

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## General information

If medical attention is required present a copy of this datasheet to the physician.

### Inhalation

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

### Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention immediately! Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical.

### Skin contact

Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

### Inhalation.

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

### Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness.

### Skin contact

Skin irritation. Prolonged skin contact may cause redness and irritation.

### Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

No specific first aid measures noted.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### **5.2. Special hazards arising from the substance or mixture**

#### Hazardous combustion products

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride (HCl). Phosgene (COCl<sub>2</sub>).

#### Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases.

### **5.3. Advice for firefighters**

#### Special Fire Fighting Procedures

Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk.

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. Use protective gloves, goggles and suitable protective clothing. Do not breathe vapour. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

### **6.2. Environmental precautions**

Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

### **6.3. Methods and material for containment and cleaning up**

Stop leak if possible without risk. DO NOT touch spilled material! Avoid contact with skin or inhalation of spillage, dust or vapour. Wear necessary protective equipment. Inform Authorities if large amounts are involved. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### **6.4. Reference to other sections**

## **SECTION 7: HANDLING AND STORAGE**

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## 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Wear full protective clothing for prolonged exposure and/or high concentrations. Avoid spilling, skin and eye contact. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid inhalation of vapours.

## 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. May attack some plastics, rubber and coatings. Keep containers tightly closed. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Keep away from heat, sparks and open flame.

Storage Class

Toxic storage.

## 7.3. Specific end use(s)

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DICHLOROMETHANE		100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)	
FORMIC ACID ...%		5 ppm	9.6 mg/m3			
METHANOL		200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	
TETRACHLOROETHYLENE		50 ppm	345 mg/m3	100 ppm	689 mg/m3	

WEL

Ingredient Comments

WEL = Workplace Exposure Limits

#### TETRACHLOROETHYLENE (CAS: 127-18-4)

DNEL					
Industry	Inhalation.	Short Term	275		mg/m3
Industry	Inhalation.	Long Term	138		mg/m3
Industry	Dermal	Long Term	39.4		mg/kg/day
Consumer	Inhalation.	Short Term	137.5		mg/m3
Consumer	Inhalation.	Long Term	34.5		mg/m3
Consumer	Dermal	Long Term	23		mg/kg/day
Consumer	Oral	Long Term	1.3		mg/kg/day
PNEC					
Freshwater	0.051	mg/l			
Marinewater	0.0051	mg/l			
Sediment (Freshwater)	0.903	mg/kg			
Sediment (Marinewater)	0.0903	mg/kg			
Water	Intermittent release	0.208	mg/l		

#### FORMIC ACID ...% (CAS: 64-18-6)

DNEL					
Industry	Inhalation.	Long Term	9.5		mg/m3
Consumer	Inhalation.	Short Term	9.5		mg/m3
Consumer	Inhalation.	Long Term	3		mg/m3
PNEC					
Freshwater	2	mg/l			
Sediment	13.4	mg/l			
Soil	1.5	mg/kg			
STP	7.2	mg/l			

#### 8.2. Exposure controls

Protective equipment



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### Engineering measures

Provide sufficient ventilation during operations which cause vapour formation.

### Respiratory equipment

Chemical respirator with organic vapour cartridge. Supplied-air respirator. Self-contained breathing apparatus.

### Hand protection

Chemical resistant gloves required for prolonged or repeated contact.

### Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. **DO NOT SMOKE IN WORK AREA!**

### Skin protection

Wear apron or protective clothing in case of splashes.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Gel
Colour	Colourless. to Straw.
Odour	Sweetish.
Solubility	Slightly soluble in water.
Initial boiling point and boiling range	40 760mmHg
Relative density	1.2 @ 20°C
Vapour density (air=1)	2.93
pH-Value, Conc. Solution	3 - 4

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

No particular stability concerns.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Avoid contact with oxidisers or reducing agents. Contact with red hot surfaces, flames and sparks may generate toxic phosgene gas and hydrogen chloride.

### 10.5. Incompatible materials

#### Materials To Avoid

Contact with red hot surfaces, flames & sparks may generate phosgene/HCl Strong oxidising substances.

### 10.6. Hazardous decomposition products

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride (HCl). Phosgene (COCl<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological information

No information available.

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## General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

## Inhalation

Harmful by inhalation. Toxic: danger of very serious irreversible effects through inhalation. Vapours may cause headache, fatigue, dizziness and nausea.

## Ingestion

Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Harmful: possible risk of irreversible effects if swallowed. Swallowing concentrated chemical may cause severe internal injury. Toxic: danger of serious damage to health by prolonged exposure if swallowed.

## Skin contact

Harmful in contact with skin. Harmful: possible risk of irreversible effects in contact with skin. Irritating to skin. Possible risk of irreversible effects. Toxic: danger of very serious irreversible effects in contact with skin.

## Eye contact

Irritating to eyes. Extreme irritation of eyes and mucous membranes, including burning and tearing. Spray and vapour in the eyes may cause irritation and smarting. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

#### Degradability

There are no data on the degradability of this product. The product is expected to be slowly biodegradable.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

#### Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 2810

UN No. (IMDG) 2810

### 14.2. UN proper shipping name

Proper Shipping Name Toxic Liquid, Organic, nos (contains Dichloromethane and Methanol)

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 6.1: Toxic substances.

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IMDG Class 6.1

Transport Labels



## **14.4. Packing group**

ADR/RID/ADN Packing group III

IMDG Packing group III

## **14.5. Environmental hazards**

## **14.6. Special precautions for user**

EMS 6.1-02

Emergency Action Code 3[Z]

Hazard No. (ADR) 60 Toxic or slightly toxic substance.

Tunnel Restriction Code (E)

## **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

## **SECTION 15: REGULATORY INFORMATION**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348

### **15.2. Chemical Safety Assessment**

## **SECTION 16: OTHER INFORMATION**

General information

For further information or advice contact our technical service line during regular office hours on 0121-524-1000.

This safety data sheet has been compiled for the product as supplied, properties and hazards will vary if the product is diluted with water or mixed with any other material.

Revision Comments

The information contained herein is based on known available data believed to be reliable but does not constitute the users own assessment of the work place risk as required by other Health and Safety Legislation.

Revision Date 10-01-2013

Revision 6

## METSTRIP SV3405

Supersedes date 11-10-2011  
Safety Data Sheet Status Approved.  
Date 10-01-2013  
Signature Health and Safety Manager

### Risk Phrases In Full

R35 Causes severe burns.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R11 Highly flammable  
R36/38 Irritating to eyes and skin.  
R40 Limited evidence of a carcinogenic effect.  
R43 May cause sensitisation by skin contact.  
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

### Hazard Statements In Full

H370 Causes damage to organs <<Organs>>.  
H319 Causes serious eye irritation.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H332 Harmful if inhaled.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H412 Harmful to aquatic life with long lasting effects.  
H225 Highly flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H331 Toxic if inhaled.  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H411 Toxic to aquatic life with long lasting effects.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.