



MATERIAL SAFETY DATA SHEET

MSDS

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

PRODUCT NAME : 404 SPATTER RELEASE AGENT
COMPANY NAME : 404 Kimya San. ve Tic. A.Ş.
Headquarters: Merkez Mahallesi Akçe Sokak Güzle İş Mer
No:3 Kat:1 Şile Yolu Shell Benzin İstasyonu Yanı
Çekmeköy/ İSTANBUL
Factory: Organize San. Böl. 102 Ada 7 Parsel
Selimiye Köyü OSMANELİ/ BİLECİK
Headquarters Tel: 0216 642 92 71 Fax: 0216 642 92 75
Factory Tel: 0228 470 00 14

2. HAZARD IDENTIFICATION

Easily flammable, contains 1,1-dichloroethane. Do not inhale. May cause damage to respiratory system. May have carcinogenic effects. May flame up in remote location by mixing with air. Provide ventilation where used.

Chemical Characteristics : Solvent-based spray containing silicone oil

Propellant Gas : Propane & Butane Mixture



3. INFORMATION ABOUT THE COMPOSITION/INGREDIENTS

Hazardous ingredients	CAS No	Concentration %	Hazard Signs	Risk Phrases
Propane/Butane	74-98-6/106-97-8	42-47	F+	12
1,1-dichloromethane	75-09-2	47-52	Xn	40

4. FIRST AID

Eye contact: Rinse immediately with plenty of running water for 15 minutes. Seek advice from medical staff.

Skin Contact: Prevent contact of material with skin by washing soap and plenty of water. Remove contaminated clothing and shoes during the washing process and seek medical attention.

Inhalation: Move victim to fresh air. If complaints persist, seek medical advice.

If swallowed: Seek medical advice if swallowed. Do not induce vomiting without medical advice.

Clothes: Dispose contaminated clothes.

5.FIRE FIGHTING MEASURES

Appropriate Fire Fighting Material : Extinguished with CO₂, powder, foam and water spray. Pressurized water should not be used. Water is used to cool down the surroundings.

Required protective equipment for firefighters: Use protective clothing and face mask respirator.

6 . ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Do not allow leakage into sewer and water.

Cleaning and collecting: Cleaned with nonreactive materials and stored in containers.

Personal Precautions: Use protective clothing and goggles in cases that it may come into contact with eye and skin.

7. STORAGE

Usage: Ensure a good ventilation / air suction in working area. Avoid contact with skin, eyes and do not swallow.

Storage: Store at 20-25 degree in closed and dry areas in a way not to be exposed to direct sunlight or any heat source.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure limit: Contains Propane/Butane (MAC-value 1000 ppm) and 1,1-Dichloromethane (MAC-value 100 ppm).

Respiratory system: Avoid inhaling vapors. Provide adequate ventilation.

Eye and Skin protection: Use protective gloves and goggles.

Hygiene Measures: Keep away from foodstuff, drink and feed. Wash hands before break and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical conditions	: Aerosol
Color	: Colourless
Odor	: Light
Density at (20 °C)	: 0.80 g/ml
Flash Point	: Not applicable
Ignition temperature	: >250 °C
Lower explosion limit	: Not applicable

Higher explosion limit	: Not applicable
Vapor Pressure	: (20 °C): 3.5 mbar (50 °C): 7.0 mbar
Solubility	: Insoluble in water
Octanol/water decomposition diffusion	: Not applicable
Viscosity	: Not applicable

10. STABILITY AND REACTIVITY

Thermal decomposition: Not applicable

Hazardous decomposition products: Not applicable

Situations that should be avoided: Explosive hazards at temperatures above 50 °C.

11. TOXICOLOGICAL INFORMATION

Acetone (MAC-value 1000 ppm) and 1,1-Dichloromethane (MAC-value 100 ppm, carcinogenicity class IIIB, pregnancy class D).

Inhalation of vapors may cause fainting.

12. ECOLOGICAL INFORMATION

Water Hazard Class: 2 (automated classification)

Ecotoxicity: Do not allow material to enter underground waters, static and flowing waters.

13. DISPOSAL CONSIDERATIONS

Do not discharge into drains, soil or water. All disposal methods should be applied in accordance with national and regional laws, local government regulations on hazardous wastes.

14. TRANSPORTATION INFORMATION

	ADR/RID	IMDG	IATA-DGR
14.2. UN proper shipping name	AEROSOLS (propane)	AEROSOLS (propane)	AEROSOLS (propane)
14.3. Class(es)	2.1	2.1	2.1
14.4. Packaging Group	-	-	-
14.5. Environmental Hazards	Yes	Yes	Yes

14.6. Special security measures for the user

No information available

14.7. Mass transportation of goods pursuant to MARPOL Treaty 73/78 Annex II and IBC Code
not applicable

Road Transport ADR/RID

Hazard sign 2.1

Tunnel Restriction Code D



Classification code 5F

Should be transported in "Limited Quantities" pursuant to Section 3.4 of ADR.

Maritime transport (IMDG)

MARINE POLLUTANT

Class: 2.1	Page: 2103	Pkg-Gr.: II
UN-No: 1950	EmS-No.: 2-13	MFAG-No.: 311
ICAO/IATA-DGR: Aerosol flammable, n.o.s, contains propane/butane Class: 2.1 Sub.-Risk: 3		
	Pkg.-Gr.: II	
UN-No 1950	Pkg-Not; Part. 203/75 kg, cargo 203/150 kg	

15 . CLASSIFICATIONS ACCORDING TO REGULATION

Guidelines for safety, health and environmental protection / specific legislation for substance or mixture

VOC directive

VOC content 94%

VOC value 569,6 g/L

Material safety assessment

Material safety assessments have not been made for the substances in this preparation.

16. OTHER INFORMATION

404 KİMYA SAN VE TİC A.Ş

Each and every customer or recipient provided with this MSDS as required and in an appropriate way is strongly recommended to read the document to understand the information contained in MSDS and be aware of them, and to learn product relevant hazards, and to seek professional advice on the subject. The information contained herein are provided in good faith and to be in force as of the effective date give above, believing them to be accurate. However, there is not any guarantee statement or any indication made. Regulatory requirements may change and vary between regions. It is buyer's/user's responsibility to ensure compliance of their activities with federal, state or local laws. The information specified herein is only related to the conditions of the product when it is dispatched. Due to the fact that conditions related to use of the product is not under control of manufacturer, determining the required conditions for safe use of this product is buyer's/user's duty. Due to proliferation of sources such as MSDS by manufacturer, we cannot and shall not be liable for MSDS obtained from other sources except us. Please get in contact with us for the most current version of the document if you have obtained MSDS from another source or if you are not sure whether or not the document under your hand is up-to-date.